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PREFACE

In 1966, the American Association of Petroleum Geologists (AAPG) expanded its statistical program to include development drilling as well as exploratory drilling. Drilling data collected by the AAPG for wells drilled in 1966 were published monthly by *The Oil and Gas Journal*, and annual summaries were published by the AAPG.

During the period 1967-1969, the AAPG continued to compile statistics for all wells drilled in the U.S. These data were published by the API in the *Quarterly Review of Drilling Statistics* (QRD), and annual summaries were published in the AAPG *Bulletin*.

As of January 1, 1970 the API assumed responsibility for the collection, compilation, tabulation, and publication of basic drilling statistics for the United States. Appendix A in this issue of the QRD shows the companies and agencies that currently serve as API respondents.

The procedures used by the API are essentially the same as those that were used by the AAPG for the years 1966-1969. An individual well ticket is prepared by an API respondent for each completed well. A copy of each ticket is transmitted to the API and used for compiling a master file of drilling statistics. This file is then used to prepare quarterly reports. The number of wells included in any particular report represents those wells which have been reported as completed, and processed by the API within the designated report period.

A copy of each individual well ticket is also transmitted to the Committee on Statistics of Drilling (CSD) of the American Association of Petroleum Geologists which reviews all well classifications reported to the API, and classifies all exploratory wells in accordance with guidelines originally developed by Dr. F. H. Lahee and used by CSD members for more than twenty years. The names of the AAPG-CSD District Chairmen that are currently participating in this effort are shown in Appendix B.

Quarterly reports generally reflect well classifications as reported to the API; however, revisions of well classifications received from the AAPG-CSD are recorded in the master file where they override initial API classifications. Each quarterly report reflects CSD revisions received and processed by the time the report is prepared. Cumulative data reflect revisions applicable to earlier periods falling within a calendar year. Consequently, the sums of the data for individual quarters will not necessarily agree with cumulative data shown in reports for the second, third, and fourth quarters in the current year. The annual summaries of drilling statistics, included in fourth quarter reports, will reflect all CSD revisions applicable to the calendar year.

Beginning with the first quarter 1980 issue of the QRD, prior-year statistics may not agree with previously published data due to revisions made during the previous year. However, these data are final and the sums of the four quarters will agree with the previous year's annual totals.

In the offshore regions, it is often deemed economically desirable to plug discovery wells drilled with mobile units and to subsequently drill development wells from a fixed platform. Under these circumstances, the actual discovery wells are counted as dry holes since the wells were plugged and abandoned. Therefore, caution should be exercised in utilizing data on offshore exploratory wells (Tables II and IV-A quarterly and Table VI annually) to determine the number of newly discovered fields.

Definitions used for the compilation of drilling statistics may be found in API Technical Report No. 1, "Standard Definitions for Petroleum Statistics," Second Edition, December 1976. Users of drilling statistics may also be interested in the publication entitled "Instructions for Completing Individual Well Tickets for U.S. Drilling Statistics," second Edition, January 1, 1972. The publications are available from the American Petroleum Institute in Washington, D.C.

Additional descriptive information as well as maps outlining the various state and federal offshore areas is published in API Bulletin D12A, "The API Well Number and Standard State and County Numeric Codes including Offshore Waters," issued January 1979. This publication is available from the API Production Department, 211 North Ervay, Suite 1700, Dallas, Texas 75201.

Washington, D.C.
November 13, 1981

TABLES

THIRD QUARTER 1981

TABLE I

TOTAL WELLS DRILLED IN THE UNITED STATES[1]

JULY - SEPT 1981

STATE OR DISTRICT	OIL WELLS[2] WELLS	OIL WELLS[2] FOOTAGE	GAS WELLS[3] WELLS	GAS WELLS[3] FOOTAGE	DRY HOLES[4] WELLS	DRY HOLES[4] FOOTAGE	TOTAL WELLS EXCLUDING SERVICE WELLS,STRATIGRAPHIC & CORE TESTS WELLS	TOTAL WELLS EXCLUDING SERVICE WELLS,STRATIGRAPHIC & CORE TESTS FOOTAGE
ALABAMA - ONSHORE	10	41,568	10	38,058	30	202,878	50	282,504
ALABAMA - OFFSHORE								
ALABAMA - TOTAL	10	41,568	10	38,058	30	202,878	50	282,504
ALASKA - ONSHORE	43	427,282	1	13,761	2	21,638	46	462,681
ALASKA - OFFSHORE								
ALASKA - TOTAL	43	427,282	1	13,761	2	21,638	46	462,681
ARIZONA					2	3,140	2	3,140
ARKANSAS	100	413,257	33	188,152	95	467,609	228	1,069,018
CALIFORNIA - NORTH	5	18,942	23	109,270	47	269,104	75	397,316
CALIFORNIA - CENTRAL COASTAL	16	61,778			17	90,153	33	151,931
CALIFORNIA - EAST CENTRAL	520	893,996	3	14,200	32	161,667	555	1,069,863
CALIFORNIA - SOUTH	50	147,200			7	36,554	57	183,754
CALIFORNIA - OFFSHORE	21	137,637			6	46,756	27	184,393
CALIFORNIA - TOTAL	612	1,259,553	26	123,470	109	604,234	747	1,987,257
COLORADO	121	762,433	158	876,702	130	697,934	409	2,337,069
FLORIDA - ONSHORE	4	56,313			3	39,429	7	95,742
FLORIDA - OFFSHORE								
FLORIDA - TOTAL	4	56,313			3	39,429	7	95,742
GEORGIA - ONSHORE								
GEORGIA - OFFSHORE								
GEORGIA - TOTAL								
IDAHO					2	12,131	2	12,131
ILLINOIS	386	1,094,387	3	3,965	362	1,069,993	751	2,168,345
INDIANA	68	134,830	7	8,714	122	223,139	197	366,683
IOWA								
KANSAS	782	2,319,155	148	532,676	714	2,632,929	1,640	5,484,760
KENTUCKY	221	294,199	38	98,135	282	357,263	541	749,597
LOUISIANA - NORTH	242	670,594	279	1,112,181	271	1,212,611	792	2,995,386
LOUISIANA - SOUTH	63	595,450	71	986,638	200	2,408,330	334	3,990,418
LOUISIANA - OFFSHORE	5	62,291	4	48,460	89	920,406	98	1,031,157
LOUISIANA - TOTAL	310	1,328,335	354	2,147,279	560	4,541,347	1,224	8,016,961
MARYLAND								
MASSACHUSETTES								
MICHIGAN	66	224,663	10	41,891	79	343,767	155	610,321
MISSISSIPPI - ONSHORE	30	226,715	18	217,444	89	820,012	137	1,264,171
MISSISSIPPI - OFFSHORE								
MISSISSIPPI - TOTAL	30	226,715	18	217,444	89	820,012	137	1,264,171
MISSOURI	6	3,818			4	2,615	10	6,433
MONTANA	100	577,003	46	99,758	108	569,939	254	1,246,700
NEBRASKA	80	373,149	2	6,113	134	677,194	216	1,056,456
NEVADA	1	4,200			1	9,171	2	13,371
NEW JERSEY								
NEW MEXICO - EAST	179	819,511	100	852,152	61	348,012	340	2,019,675
NEW MEXICO - WEST	46	247,206	224	1,239,021	26	72,545	296	1,558,772
NEW MEXICO - TOTAL	225	1,066,717	324	2,091,173	87	420,557	636	3,578,447
NEW YORK	19	23,970	109	358,468	2	7,732	130	390,170
NORTH CAROLINA - ONSHORE								
NORTH CAROLINA - OFFSHORE								
NORTH CAROLINA - TOTAL								
NORTH DAKOTA	67	637,205	2	15,550	82	727,389	151	1,380,144
OHIO	608	2,052,548	783	2,948,547	71	218,059	1,462	5,219,154
OKLAHOMA	1,569	6,530,361	518	3,072,291	616	2,676,295	2,703	12,278,947
OREGON - ONSHORE								
OREGON - OFFSHORE								
OREGON - TOTAL								
PENNSYLVANIA	274	305,536	366	1,441,397	24	52,464	664	1,799,397
SOUTH DAKOTA	1	8,585			4	24,236	5	32,821
TENNESSEE	22	31,667	34	54,330	28	50,541	84	136,538
TEXAS RRC DIST. 1	506	1,828,855	25	139,538	85	327,672	616	2,296,065
TEXAS RRC DIST. 2	33	194,251	65	458,471	65	419,278	163	1,072,004
TEXAS RRC DIST. 3	386	3,104,499	98	963,842	148	1,236,159	632	5,304,500
TEXAS RRC DIST. 4	46	263,213	166	1,423,979	93	685,115	305	2,372,307
TEXAS RRC DIST. 5	73	229,553	24	285,611	41	286,495	138	801,659
TEXAS RRC DIST. 6	77	404,792	118	1,143,868	63	439,594	258	1,988,254
TEXAS RRC DIST. 7B	441	1,470,883	157	563,915	479	1,618,341	1,077	3,653,139
TEXAS RRC DIST. 7C	270	1,491,169	123	795,752	97	434,389	490	2,721,310
TEXAS RRC DIST. 8	479	2,532,288	23	241,326	49	331,513	551	3,105,127
TEXAS RRC DIST. 8A	396	2,047,336	5	30,435	107	881,882	508	2,959,653
TEXAS RRC DIST. 9	491	1,408,360	48	270,043	315	1,195,937	854	2,874,340
TEXAS RRC DIST. 10	128	590,043	38	325,315	25	192,450	191	1,107,808
TEXAS - OFFSHORE			5	48,284	16	147,981	21	196,265
TEXAS - TOTAL	3,326	15,565,242	895	6,690,383	1,583	8,196,836	5,804	30,452,431
UTAH	31	207,792	23	150,264	35	222,207	89	580,263
VIRGINIA			3	14,084			3	14,084
WASHINGTON - ONSHORE								
WASHINGTON - OFFSHORE								
WASHINGTON - TOTAL								
WEST VIRGINIA	45	145,637	397	1,713,823	50	169,570	492	2,029,030
WYOMING	227	1,241,204	48	494,816	178	1,234,898	453	2,970,918
OFFSHORE FEDERAL WATERS								
ALASKA								
ATLANTIC COAST								
GULF OF MEXICO - NORTHERN					5	48,840	5	48,840
TOTAL FOR JULY - SEPT 1981	9,354	37,357,324	4,352	23,441,244	5,593	27,345,956	19,299	88,144,524
TOTAL FOR JULY - SEPT 1980	7,077	28,888,661	4,037	21,718,488	4,643	23,409,817	15,757	74,016,966

1. DATA ARE PRELIMINARY AND SUBJECT TO POSSIBLE FURTHER REVISION.

2. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ONE OR MORE ZONES BUT OIL FROM AT LEAST ONE ZONE. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL (SEE TABLES IV-A AND IV-B FOR DETAIL ON MULTIPLE COMPLETION WELLS.)

3. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ALL ZONES. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL. GAS WELLS ALSO INCLUDE SO-CALLED CONDENSATE WELLS. (SEE TABLES IV-A AND IV-B FOR DETAIL ON MULTIPLE COMPLETION WELLS.)

TABLE I(CONT.)

TOTAL WELLS DRILLED IN THE UNITED STATES[1]

JULY - SEPT 1981

STRATIGRAPHIC AND CORE TESTS		SERVICE WELLS		TOTAL WELLS ALL TYPES JULY - SEPT 1981		TOTAL WELLS[5] ALL TYPES JULY - SEPT 1980		
WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	STATE OR DISTRICT
				50	282,504	36	287,713	ALABAMA - ONSHORE
								ALABAMA - OFFSHORE
				50	282,504	36	287,713	ALABAMA - TOTAL
		2	4,960	48	467,641	30	518,970	ALASKA - ONSHORE
						1	10,400	ALASKA - OFFSHORE
		2	4,960	48	467,681	31	529,370	ALASKA - TOTAL
				2	5,140	1	900	ARIZONA
		1	2,000	229	1,071,010	156	701,120	ARKANSAS
5	7,285			80	409,001	46	525,965	CALIFORNIA - NORTH
		8	19,908	41	171,859	71	227,458	CALIFORNIA - CENTRAL COASTAL
2	2,427	99	174,750	656	1,287,060	521	1,606,925	CALIFORNIA - EAST CENTRAL
		20	60,834	77	284,588	15	54,299	CALIFORNIA - SOUTH
		1	3,963	28	188,356	16	84,479	CALIFORNIA - OFFSHORE
7	9,712	128	259,455	882	2,256,428	609	1,679,122	CALIFORNIA - TOTAL
		8	33,262	415	2,370,331	308	1,548,746	COLORADO
				7	95,742	5	57,046	FLORIDA - ONSHORE
								FLORIDA - OFFSHORE
				7	95,742	5	57,046	FLORIDA - TOTAL
								GEORGIA - ONSHORE
								GEORGIA - OFFSHORE
								GEORGIA - TOTAL
				2	12,131	1	33,410	IDAHO
		39	62,067	190	2,230,412	670	1,218,866	ILLINOIS
		4	6,176	201	372,859	102	596,128	INDIANA
								IOWA
		33	87,132	1,671	9,571,892	1,294	4,382,677	KANSAS
		46	47,867	587	797,466	189	225,255	KENTUCKY
		47	156,517	859	3,151,905	801	3,008,865	LOUISIANA - NORTH
				334	3,990,418	270	3,019,600	LOUISIANA - SOUTH
				98	1,031,157	150	1,504,936	LOUISIANA - OFFSHORE
		47	156,517	1,271	8,173,478	1,221	7,531,001	LOUISIANA - TOTAL
								MARYLAND
								MASSACHUSETTES
		10	36,975	165	647,296	199	813,888	MICHIGAN
				137	1,264,171	156	1,421,630	MISSISSIPPI - ONSHORE
								MISSISSIPPI - OFFSHORE
				137	1,264,171	156	1,421,630	MISSISSIPPI - TOTAL
				10	6,433			MISSOURI
		2	3,234	256	1,249,918	278	1,031,219	MONTANA
				216	1,056,456	141	639,550	NEBRASKA
		3	4,928	9	18,299	5	33,704	NEVADA
								NEW JERSEY
		26	101,370	366	2,121,045	387	1,690,742	NEW MEXICO - EAST
		1	347	297	1,559,119	242	1,524,841	NEW MEXICO - WEST
		27	101,717	663	3,680,164	980	3,215,583	NEW MEXICO - TOTAL
				130	398,178	94	287,765	NEW YORK
								NORTH CAROLINA - ONSHORE
								NORTH CAROLINA - OFFSHORE
								NORTH CAROLINA - TOTAL
		2	16,150	193	1,396,290	182	1,705,395	NORTH DAKOTA
		3	7,748	1,465	9,226,902	767	2,561,070	OHIO
		5	6,626	2,708	12,285,575	2,406	10,898,731	OKLAHOMA
						9	28,099	OREGON - ONSHORE
								OREGON - OFFSHORE
						9	28,099	OREGON - TOTAL
		30	63,685	694	1,863,082	913	1,380,116	PENNSYLVANIA
				5	32,821	19	66,670	SOUTH DAKOTA
				84	136,536	108	170,059	TENNESSEE
		2	6,600	818	2,302,665	346	1,276,600	TEXAS RRC DIST. 1
				163	1,072,006	251	1,526,120	TEXAS RRC DIST. 2
		4	35,693	936	5,340,191	553	4,458,981	TEXAS RRC DIST. 3
				365	2,372,307	385	2,825,101	TEXAS RRC DIST. 4
		6	9,550	140	811,209	125	607,207	TEXAS RRC DIST. 5
		9	34,135	267	2,022,389	236	1,650,670	TEXAS RRC DIST. 6
		18	33,554	1,095	5,686,693	821	2,653,028	TEXAS RRC DIST. 7B
		2	10,284	492	2,731,596	432	2,437,217	TEXAS RRC DIST. 7C
1	2,800	13	52,241	565	3,160,168	608	3,260,648	TEXAS RRC DIST. 8
		32	130,552	940	5,090,205	386	2,062,082	TEXAS RRC DIST. 8A
		15	17,337	869	2,893,677	800	2,617,125	TEXAS RRC DIST. 9
				191	1,107,808	213	1,490,860	TEXAS RRC DIST. 10
				21	196,265	62	578,482	TEXAS - OFFSHORE
1	2,800	101	331,946	9,906	58,787,177	9,214	27,486,161	TEXAS - TOTAL
		2	2,297	91	582,566	87	509,875	UTAH
				3	14,984	4	12,950	VIRGINIA
								WASHINGTON - ONSHORE
								WASHINGTON - OFFSHORE
								WASHINGTON - TOTAL
		10	22,785	502	2,051,815	521	1,911,103	WEST VIRGINIA
		23	57,724	476	3,028,642	568	2,530,912	WYOMING
						2	14,517	OFFSHORE FEDERAL WATERS
								ALASKA
								ATLANTIC COAST
				5	48,860	11	102,557	GULF OF MEXICO - NORTHERN
8	12,512	524	1,315,251	19,831	89,472,287	19,198	79,292,482	TOTAL FOR JULY - SEPT 1981
17	28,561	424	1,156,955	19,198	79,292,482			TOTAL FOR JULY - SEPT 1980

4. MAY INCLUDE DISCOVERY WELLS IN OFFSHORE REGIONS AS DISCUSSED IN THE PREFACE.

5. PRIOR YEAR WELL AND FOOTAGE DATA MAY NOT CORRESPOND TO THOSE PREVIOUSLY PUBLISHED. THESE DATA ARE FINAL FOR THE PERIOD AND REFLECT ANY REVISIONS MADE DURING THE YEAR TO THOSE ORIGINALLY PUBLISHED.

TABLE II

TOTAL EXPLORATORY WELLS DRILLED IN THE UNITED STATES[1]

JULY - SEPT 1981

STATE OR DISTRICT	OIL WELLS[2]		GAS WELLS[3]		DRY HOLES[4]	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
ALABAMA - ONSHORE			2	6,040	21	168,764
ALABAMA - OFFSHORE						
ALABAMA - TOTAL			2	6,040	21	168,764
ALASKA - ONSHORE			1	13,761	2	21,638
ALASKA - OFFSHORE						
ALASKA - TOTAL			1	13,761	2	21,638
ARIZONA					2	5,140
ARKANSAS	3	13,788	1	2,366	39	212,840
CALIFORNIA - NORTH	1	991		68,805	46	262,064
CALIFORNIA - CENTRAL COASTAL	4	15,418			13	77,825
CALIFORNIA - EAST CENTRAL	17	73,926	3	14,200	24	144,460
CALIFORNIA - SOUTH	1	6,197				
CALIFORNIA - OFFSHORE					2	19,500
CALIFORNIA - TOTAL	23	96,532	18	83,005	85	503,849
COLORADO	38	260,623	22	141,381	88	499,453
FLORIDA - ONSHORE					1	11,858
FLORIDA - OFFSHORE						
FLORIDA - TOTAL					1	11,858
GEORGIA - ONSHORE						
GEORGIA - OFFSHORE						
GEORGIA - TOTAL						
IDAHO					2	12,131
ILLINOIS	35	112,613	1	2,151	148	403,307
INDIANA	13	30,608	2	3,209	78	148,112
IOWA						
KANSAS	57	239,620	19	80,675	259	1,061,308
KENTUCKY	29	80,479	7	15,922	133	175,924
LOUISIANA - NORTH	6	35,910	11	96,794	104	516,522
LOUISIANA - SOUTH	9	101,220	19	296,268	85	1,135,277
LOUISIANA - OFFSHORE	1	14,130	1	14,322	51	546,060
LOUISIANA - TOTAL	16	151,260	31	407,384	240	2,197,859
MARYLAND						
MASSACHUSETTES						
MICHIGAN	18	58,078	8	14,407	56	243,048
MISSISSIPPI - ONSHORE	6	48,312	8	51,608	54	549,439
MISSISSIPPI - OFFSHORE						
MISSISSIPPI - TOTAL	6	48,312	8	51,608	54	549,439
MISSOURI					8	2,615
MONTANA	15	160,122	10	18,917	73	434,796
NEBRASKA	13	75,108	1	2,313	75	373,657
NEVADA					1	9,171
NEW JERSEY						
NEW MEXICO - EAST	8	69,312	16	196,401	28	171,884
NEW MEXICO - WEST	4	19,921	6	31,052	11	33,680
NEW MEXICO - TOTAL	12	89,233	22	227,453	39	205,564
NEW YORK			17	58,306	2	7,732
NORTH CAROLINA - ONSHORE						
NORTH CAROLINA - OFFSHORE						
NORTH CAROLINA - TOTAL						
NORTH DAKOTA	21	238,169	1	14,038	69	627,714
OHIO	3	14,101	5	18,275	2	8,783
OKLAHOMA	30	202,321	28	255,849	77	448,011
OREGON - ONSHORE						
OREGON - OFFSHORE						
OREGON - TOTAL						
PENNSYLVANIA	2	3,515	106	461,002	8	17,900
SOUTH DAKOTA					3	21,736
TENNESSEE	12	17,390	21	35,342	22	39,805
TEXAS RRC DIST. 1	28	198,682	7	37,143	37	167,205
TEXAS RRC DIST. 2	4	28,712	31	207,466	33	239,327
TEXAS RRC DIST. 3	12	120,899	39	389,422	69	678,652
TEXAS RRC DIST. 4	16	117,341	62	591,617	50	385,229
TEXAS RRC DIST. 5	1	1,215	8	86,390	25	207,790
TEXAS RRC DIST. 6	1	10,800	11	98,315	89	376,247
TEXAS RRC DIST. 7B	34	151,872	26	98,367	269	1,060,253
TEXAS RRC DIST. 7C	24	128,577	12	79,438	62	280,408
TEXAS RRC DIST. 8	16	148,387	7	100,332	29	222,540
TEXAS RRC DIST. 8A	15	135,168	1	6,500	75	696,165
TEXAS RRC DIST. 9	14	84,620	5	15,215	136	672,111
TEXAS RRC DIST. 10	1	9,100			8	71,626
TEXAS - OFFSHORE			2	15,030	12	108,855
TEXAS - TOTAL	166	1,135,373	205	1,681,235	858	5,167,408
UTAH	2	12,697	8	34,717	23	162,815
VIRGINIA						
WASHINGTON - ONSHORE						
WASHINGTON - OFFSHORE						
WASHINGTON - TOTAL						
WEST VIRGINIA	1	4,992	35	150,999	8	25,275
WYOMING	19	135,397	14	192,388	100	740,711
OFFSHORE FEDERAL WATERS						
ALASKA						
ATLANTIC COAST						
GULF OF MEXICO - NORTHERN					8	43,528
TOTAL FOR JULY - SEPT 1981	534	3,142,331	581	3,992,743	2,564	14,543,890
TOTAL FOR JULY - SEPT 1980	401	2,285,129	518	3,509,115	2,071	11,817,940

1. DATA ARE PRELIMINARY AND SUBJECT TO POSSIBLE FURTHER REVISION.

2. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ONE OR MORE ZONES BUT OIL FROM AT LEAST ONE ZONE. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL (SEE TABLE IV-A FOR DETAIL ON MULTIPLE COMPLETION WELLS.)

3. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ALL ZONES. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL. GAS WELLS ALSO INCLUDE SO-CALLED CONDENSATE WELLS. (SEE TABLE IV-A FOR DETAIL ON MULTIPLE COMPLETION WELLS.)

TABLE II(CONT.)

TOTAL EXPLORATORY WELLS DRILLED IN THE UNITED STATES[1]

JULY - SEPT 1981

TOTAL EXPLORATORY WELLS JULY - SEPT 1981		TOTAL[5] EXPLORATORY WELLS JULY - SEPT 1980		STATE OR DISTRICT
WELLS	FOOTAGE	WELLS	FOOTAGE	
23	170,804	12	114,509	ALABAMA - ONSHORE
				ALABAMA - OFFSHORE
23	170,804	12	114,509	ALABAMA - TOTAL
3	35,399			ALASKA - ONSHORE
				ALASKA - OFFSHORE
3	35,399			ALASKA - TOTAL
2	3,140	1	900	ARIZONA
43	228,994	32	165,916	ARKANSAS
62	331,860	37	263,167	CALIFORNIA - NORTH
17	93,243	11	55,546	CALIFORNIA - CENTRAL COASTAL
44	232,586	28	140,708	CALIFORNIA - EAST CENTRAL
1	8,197	1	8,505	CALIFORNIA - SOUTH
2	19,500	3	31,101	CALIFORNIA - OFFSHORE
126	685,386	80	499,027	CALIFORNIA - TOTAL
148	901,457	127	635,403	COLORADO
1	11,858	2	24,370	FLORIDA - ONSHORE
				FLORIDA - OFFSHORE
1	11,858	2	24,370	FLORIDA - TOTAL
				GEORGIA - ONSHORE
				GEORGIA - OFFSHORE
				GEORGIA - TOTAL
2	12,131	3	33,410	IDAHO
176	518,071	93	307,424	ILLINOIS
93	181,929	87	170,296	INDIANA
				IOWA
335	1,381,603	268	1,053,767	KANSAS
169	230,325	72	101,279	KENTUCKY
121	649,226	104	594,031	LOUISIANA - NORTH
113	1,532,765	54	715,257	LOUISIANA - SOUTH
53	574,512	42	433,174	LOUISIANA - OFFSHORE
287	2,756,503	200	1,742,462	LOUISIANA - TOTAL
				MARYLAND
				MASSACHUSETTES
78	315,533	82	329,549	MICHIGAN
64	649,359	65	596,084	MISSISSIPPI - ONSHORE
				MISSISSIPPI - OFFSHORE
64	649,359	65	596,084	MISSISSIPPI - TOTAL
4	2,615			MISSOURI
98	613,835	118	557,231	MONTANA
89	451,078	61	258,574	NEBRASKA
1	9,171	3	33,704	NEVADA
				NEW JERSEY
52	437,597	56	625,120	NEW MEXICO - EAST
21	84,653	29	107,658	NEW MEXICO - WEST
73	522,250	85	532,778	NEW MEXICO - TOTAL
19	66,038	2	8,228	NEW YORK
				NORTH CAROLINA - ONSHORE
				NORTH CAROLINA - OFFSHORE
				NORTH CAROLINA - TOTAL
91	879,921	76	754,639	NORTH DAKOTA
10	41,159	12	46,021	OHIO
135	908,181	125	898,359	OKLAHOMA
		6	14,061	OREGON - ONSHORE
				OREGON - OFFSHORE
		6	14,061	OREGON - TOTAL
116	502,417	33	166,832	PENNSYLVANIA
3	21,736	3	6,150	SOUTH DAKOTA
55	92,537	54	83,289	TENNESSEE
72	403,030	79	348,224	TEXAS RRC DIST. 1
68	475,505	123	848,753	TEXAS RRC DIST. 2
120	1,189,973	117	1,112,294	TEXAS RRC DIST. 3
120	1,094,187	168	1,308,906	TEXAS RRC DIST. 4
30	255,395	31	218,803	TEXAS RRC DIST. 5
61	481,362	42	341,494	TEXAS RRC DIST. 6
129	1,310,492	246	913,974	TEXAS RRC DIST. 7B
98	488,423	95	507,417	TEXAS RRC DIST. 7C
52	471,259	53	452,439	TEXAS RRC DIST. 8
91	837,833	48	378,444	TEXAS RRC DIST. 8A
153	771,946	94	475,719	TEXAS RRC DIST. 9
9	80,726	18	167,008	TEXAS RRC DIST. 10
14	123,685	33	334,816	TEXAS - OFFSHORE
1,225	7,984,016	1,143	7,408,291	TEXAS - TOTAL
29	210,229	31	181,940	UTAH
		1	4,640	VIRGINIA
				WASHINGTON - ONSHORE
				WASHINGTON - OFFSHORE
				WASHINGTON - TOTAL
44	181,266	21	105,381	WEST VIRGINIA
133	1,068,496	87	720,993	WYOMING
				OFFSHORE FEDERAL WATERS
		2	14,517	ALASKA
				ATLANTIC COAST
6	63,527	5	42,358	GULF OF MEXICO - NORTHERN
3,679	21,678,966	2,990	17,612,184	TOTAL FOR JULY - SEPT 1981
2,990	17,612,184			TOTAL FOR JULY - SEPT 1980

6. MAY INCLUDE DISCOVERY WELLS IN OFFSHORE REGIONS AS DISCUSSED IN THE PREFACE.

5. PRIOR YEAR WELL AND FOOTAGE DATA MAY NOT CORRESPOND TO THOSE PREVIOUSLY PUBLISHED. THESE DATA ARE FINAL FOR THE PERIOD AND REFLECT ANY REVISIONS MADE DURING THE YEAR TO THOSE ORIGINALLY PUBLISHED.

TABLE III

DEVELOPMENT WELLS DRILLED IN THE UNITED STATES[1]

JULY - SEPT 1981

STATE OR DISTRICT	OIL WELLS[2]		GAS WELLS[3]		DRY HOLES	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
ALABAMA - ONSHORE	10	41,568	8	32,018	9	38,114
ALABAMA - OFFSHORE						
ALABAMA - TOTAL	10	41,568	8	32,018	9	38,114
ALASKA - ONSHORE	43	427,282				
ALASKA - OFFSHORE						
ALASKA - TOTAL	43	427,282				
ARIZONA						
ARKANSAS	97	399,469	32	185,786	56	254,769
CALIFORNIA - NORTH	4	17,951	8	40,465	1	7,040
CALIFORNIA - CENTRAL COASTAL	12	46,360			4	12,328
CALIFORNIA - EAST CENTRAL	503	820,070			8	17,207
CALIFORNIA - SOUTH	49	139,003			7	36,554
CALIFORNIA - OFFSHORE	21	137,637			4	27,256
CALIFORNIA - TOTAL	589	1,161,021	8	40,465	24	100,385
COLORADO	83	501,810	136	735,321	42	198,481
FLORIDA - ONSHORE	4	56,313			2	27,571
FLORIDA - OFFSHORE						
FLORIDA - TOTAL	4	56,313			2	27,571
GEORGIA - ONSHORE						
GEORGIA - OFFSHORE						
GEORGIA - TOTAL						
IDAHO						
ILLINOIS	351	981,774	2	1,814	222	666,686
INDIANA	55	104,222	5	5,505	44	75,027
IOWA						
KANSAS	725	2,079,535	125	452,001	455	1,571,621
KENTUCKY	192	253,720	31	82,213	149	183,339
LOUISIANA - NORTH	236	634,684	268	1,015,387	167	696,089
LOUISIANA - SOUTH	54	494,230	52	690,370	115	1,273,053
LOUISIANA - OFFSHORE	4	48,161	3	34,138	38	374,346
LOUISIANA - TOTAL	294	1,177,075	323	1,739,895	320	2,343,488
MARYLAND						
MASSACHUSETTES						
MICHIGAN	48	166,585	6	27,484	23	100,719
MISSISSIPPI - ONSHORE	24	178,403	14	165,836	35	270,573
MISSISSIPPI - OFFSHORE						
MISSISSIPPI - TOTAL	24	178,403	14	165,836	35	270,573
MISSOURI	6	3,818				
MONTANA	85	416,881	36	80,841	35	135,143
NEBRASKA	67	296,041	1	3,800	59	303,537
NEVADA	1	4,200				
NEW JERSEY						
NEW MEXICO - EAST	171	750,199	84	655,75[illegible]	33	176,128
NEW MEXICO - WEST	42	227,285	218	1,207,969	15	38,865
NEW MEXICO - TOTAL	213	977,484	302	1,863,720	48	214,993
NEW YORK	19	23,970	92	300,162		
NORTH CAROLINA - ONSHORE						
NORTH CAROLINA - OFFSHORE						
NORTH CAROLINA - TOTAL						
NORTH DAKOTA	46	399,036	1	1,512	13	99,675
OHIO	605	2,038,447	778	2,930,272	69	209,276
OKLAHOMA	1,539	6,328,040	490	2,816,442	539	2,228,284
OREGON - ONSHORE						
OREGON - OFFSHORE						
OREGON - TOTAL						
PENNSYLVANIA	272	302,021	260	960,395	16	34,564
SOUTH DAKOTA	1	8,585			1	2,500
TENNESSEE	10	14,277	13	18,988	6	10,736
TEXAS RRC DIST. 1	478	1,630,173	18	102,395	48	160,467
TEXAS RRC DIST. 2	29	165,539	34	251,009	32	179,951
TEXAS RRC DIST. 3	374	2,983,600	59	574,420	79	556,507
TEXAS RRC DIST. 4	30	145,072	104	832,362	43	299,[illegible]86
TEXAS RRC DIST. 5	72	228,338	20	239,221	16	78,70[illegible]
TEXAS RRC DIST. 6	76	393,992	107	1,049,553	14	63,347
TEXAS RRC DIST. 7B	407	1,319,011	131	465,548	210	558,088
TEXAS RRC DIST. 7C	246	1,362,592	111	716,314	35	153,981
TEXAS RRC DIST. 8	463	2,383,901	16	140,994	20	108,973
TEXAS RRC DIST. 8A	381	1,912,168	4	23,935	32	185,717
TEXAS RRC DIST. 9	477	1,323,740	45	254,828	179	523,826
TEXAS RRC DIST. 10	127	580,943	38	325,315	17	120,824
TEXAS - OFFSHORE			3	33,254	4	39,126
TEXAS - TOTAL	3,160	14,429,869	690	5,009,148	729	3,029,398
UTAH	29	195,095	19	115,547	12	59,392
VIRGINIA			3	14,084		
WASHINGTON - ONSHORE						
WASHINGTON - OFFSHORE						
WASHINGTON - TOTAL						
WEST VIRGINIA	44	140,645	362	1,562,824	42	144,295
WYOMING	208	1,105,807	34	302,428	78	494,187
OFFSHORE FEDERAL WATERS						
ALASKA						
ATLANTIC COAST						
GULF OF MEXICO - NORTHERN					1	5,313
TOTAL FOR JULY - SEPT 1981	8,820	34,214,993	3,771	19,448,501	3,029	12,802,066
TOTAL FOR JULY - SEPT 1980	6,676	26,603,532	3,519	18,209,373	2,572	11,591,877

1. DATA ARE PRELIMINARY AND SUBJECT TO POSSIBLE FURTHER REVISION.

2. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ONE OR MORE ZONES BUT OIL FROM AT LEAST ONE ZONE. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL (SEE TABLE IV-B FOR DETAIL ON MULTIPLE COMPLETION WELLS.)

TABLE III(CONT.)

DEVELOPMENT WELLS DRILLED IN THE UNITED STATES[1]

JULY - SEPT 1981

TOTAL DEVELOPMENT WELLS JULY - SEPT 1981		TOTAL[4] DEVELOPMENT WELLS JULY - SEPT 1980		STATE OR DISTRICT
WELLS	FOOTAGE	WELLS	FOOTAGE	
27	111,700	24	173,204	ALABAMA - ONSHORE
				ALABAMA - OFFSHORE
27	111,700	24	173,204	ALABAMA - TOTAL
43	427,282	30	308,978	ALASKA - ONSHORE
				ALASKA - OFFSHORE
43	427,282	30	308,978	ALASKA - TOTAL
185	840,024	123	617,329	ARIZONA
13	65,456	8	41,623	ARKANSAS
16	58,688	42	149,305	CALIFORNIA - NORTH
511	837,277	378	709,104	CALIFORNIA - CENTRAL COASTAL
56	175,557	10	26,576	CALIFORNIA - EAST CENTRAL
25	164,893	8	35,762	CALIFORNIA - SOUTH
621	1,301,871	446	962,370	CALIFORNIA - OFFSHORE
261	1,435,612	181	905,341	CALIFORNIA - TOTAL
6	83,884	3	32,676	COLORADO
				FLORIDA - ONSHORE
6	83,884	3	32,676	FLORIDA - OFFSHORE
				FLORIDA - TOTAL
				GEORGIA - ONSHORE
				GEORGIA - OFFSHORE
				GEORGIA - TOTAL
575	1,650,274	338	868,856	IDAHO
104	184,754	102	182,045	ILLINOIS
				INDIANA
1,305	4,103,157	1,003	3,259,937	IOWA
372	519,272	115	122,480	KANSAS
671	2,346,160	671	2,300,797	KENTUCKY
221	2,457,653	216	2,304,343	LOUISIANA - NORTH
45	456,645	107	1,058,744	LOUISIANA - SOUTH
937	5,260,458	994	5,663,884	LOUISIANA - OFFSHORE
				LOUISIANA - TOTAL
				MARYLAND
77	294,788	110	454,712	MASSACHUSETTES
73	614,812	91	825,546	MICHIGAN
				MISSISSIPPI - ONSHORE
73	614,812	91	825,546	MISSISSIPPI - OFFSHORE
6	3,818			MISSISSIPPI - TOTAL
156	632,865	154	464,063	MISSOURI
127	605,378	78	371,009	MONTANA
1	4,200			NEBRASKA
				NEVADA
288	1,582,078	246	1,441,622	NEW JERSEY
275	1,474,119	213	1,217,183	NEW MEXICO - EAST
563	3,056,197	459	2,658,805	NEW MEXICO - WEST
111	324,132	92	279,537	NEW MEXICO - TOTAL
				NEW YORK
				NORTH CAROLINA - ONSHORE
60	500,223	105	945,266	NORTH CAROLINA - OFFSHORE
1,452	5,177,995	755	2,515,049	NORTH CAROLINA - TOTAL
2,568	11,372,766	2,271	9,988,745	NORTH DAKOTA
		5	14,038	OHIO
				OKLAHOMA
		5	14,038	OREGON - ONSHORE
548	1,296,980	454	1,157,981	OREGON - OFFSHORE
2	11,085	11	51,930	OREGON - TOTAL
29	44,001	54	86,770	PENNSYLVANIA
544	1,893,035	267	928,416	SOUTH DAKOTA
95	596,499	126	669,207	TENNESSEE
512	4,114,527	436	3,346,687	TEXAS RRC DIST. 1
177	1,278,120	216	1,509,925	TEXAS RRC DIST. 2
108	546,264	91	385,144	TEXAS RRC DIST. 3
197	1,506,892	183	1,288,790	TEXAS RRC DIST. 4
748	2,342,647	564	1,703,961	TEXAS RRC DIST. 5
392	2,232,887	333	1,914,606	TEXAS RRC DIST. 6
499	2,633,868	481	2,504,389	TEXAS RRC DIST. 7B
417	2,121,820	323	1,598,110	TEXAS RRC DIST. 7C
701	2,102,394	678	2,079,891	TEXAS RRC DIST. 8
182	1,027,082	199	1,323,852	TEXAS RRC DIST. 8A
7	72,380	29	243,666	TEXAS RRC DIST. 9
4,579	22,468,415	3,926	19,496,64-	TEXAS RRC DIST. 10
60	370,034	54	316,128	TEXAS - OFFSHORE
3	14,084	3	8,310	TEXAS - TOTAL
				UTAH
				VIRGINIA
				WASHINGTON - ONSHORE
448	1,847,764	499	1,803,031	WASHINGTON - OFFSHORE
320	1,902,422	281	1,809,919	WASHINGTON - TOTAL
				WEST VIRGINIA
				WYOMING
				OFFSHORE FEDERAL WATERS
				ALASKA
				ATLANTIC COAST
1	5,313	6	60,199	GULF OF MEXICO - NORTHERN
15,620	66,465,560	12,767	56,404,782	TOTAL FOR JULY - SEPT 1981
12,767	56,404,782			TOTAL FOR JULY - SEPT 1980

3. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ALL ZONES. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL. GAS WELLS ALSO INCLUDE SO-CALLED CONDENSATE WELLS. (SEE TABLE IV-B FOR DETAIL ON MULTIPLE COMPLETION WELLS.)

4. PRIOR YEAR WELL AND FOOTAGE DATA MAY NOT CORRESPOND TO THOSE PREVIOUSLY PUBLISHED. THESE DATA ARE FINAL FOR THE PERIOD AND REFLECT ANY REVISIONS MADE DURING THE YEAR TO THOSE ORIGINALLY PUBLISHED.

TABLE IV-A

EXPLORATORY WELLS COMPLETED AS MULTIPLE COMPLETIONS
IN THE UNITED STATES

JULY - SEPT 1981

STATE OR DISTRICT	MULTIPLE COMPLETION WELLS REPORTED AS OIL WELLS (AT LEAST ONE ZONE CLASSIFIED AS AN OIL ZONE)						
	ALL ZONES CLASSIFIED AS OIL ZONE			COMBINATION OIL AND GAS WELLS			
	WELLS	NO. OF ZONES	FOOTAGE	WELLS	NO. OIL ZONES	NO. GAS ZONES	FOOTAGE
KANSAS	2	4	8,143				
KENTUCKY	1	2	688	1	1	2	2,867
NEBRASKA				1	1	1	6,649
NEW MEXICO - WEST				1	1	1	6,545
NEW MEXICO - TOTAL				1	1	1	6,545
OKLAHOMA				1	1	1	2,942
PENNSYLVANIA							
TEXAS RRC DIST. 2				1	1	1	6,700
TEXAS RRC DIST. 3							
TEXAS RRC DIST. 4	2	4	14,760				
TEXAS RRC DIST. 7B							
TEXAS RRC DIST. 7C	1	2	7,310				
TEXAS - OFFSHORE							
TEXAS - TOTAL	3	6	22,070	1	1	1	6,700
WYOMING							
TOTAL FOR JULY - SEPT 1981	6	12	30,901	5	5	6	25,703
TOTAL FOR JULY - SEPT 1980	5	10	26,295	14	14	14	69,510

TABLE IV-B

DEVELOPMENT WELLS COMPLETED AS MULTIPLE COMPLETIONS
IN THE UNITED STATES

JULY - SEPT 1981

STATE OR DISTRICT	MULTIPLE COMPLETION WELLS REPORTED AS OIL WELLS (AT LEAST ONE ZONE CLASSIFIED AS AN OIL ZONE)						
	ALL ZONES CLASSIFIED AS OIL ZONE			COMBINATION OIL AND GAS WELLS			
	WELLS	NO. OF ZONES	FOOTAGE	WELLS	NO. OIL ZONES	NO. GAS ZONES	FOOTAGE
ALABAMA - ONSHORE							
ALABAMA - TOTAL							
ARKANSAS							
CALIFORNIA - SOUTH	3	6	3,861				
CALIFORNIA - OFFSHORE	1	3	2,362				
CALIFORNIA - TOTAL	4	9	6,223				
COLORADO							
KANSAS	28	60	102,779	1	1	1	5,040
KENTUCKY	26	57	38,256	13	13	15	42,965
LOUISIANA - NORTH							
LOUISIANA - SOUTH	4	8	45,291				
LOUISIANA - TOTAL	4	8	45,291				
MONTANA							
NEW MEXICO - EAST	2	4	13,750				
NEW MEXICO - WEST	1	2	7,473	1	1	1	6,585
NEW MEXICO - TOTAL	3	6	21,223	1	1	1	6,585
NEW YORK				1	1	1	1,890
NORTH DAKOTA	1	2	13,625				
OKLAHOMA	9	18	68,720	2	2	2	7,234
PENNSYLVANIA				5	5	5	12,602
TEXAS RRC DIST. 2	1	2	5,603				
TEXAS RRC DIST. 3				2	2	2	14,592
TEXAS RRC DIST. 4							
TEXAS RRC DIST. 7B							
TEXAS RRC DIST. 8	8	16	39,682				
TEXAS RRC DIST. 9				3	3	3	18,404
TEXAS RRC DIST. 10							
TEXAS - TOTAL	9	18	45,285	5	5	5	32,996
VIRGINIA							
WYOMING	1	2	4,068	1	1	1	10,807
TOTAL FOR JULY - SEPT 1981	85	180	345,470	29	29	31	120,119
TOTAL FOR JULY - SEPT 1980	70	150	363,191	37	37	37	223,941

TABLE IV-A(CONT.)

EXPLORATORY WELLS COMPLETED AS MULTIPLE COMPLETIONS
IN THE UNITED STATES

JULY - SEPT 1981

MULTIPLE COMPLETION WELLS REPORTED AS GAS WELLS (NO ZONE CLASSIFIED AS AN OIL ZONE)			TOTAL MULTIPLE COMPLETION WELLS			
WELLS	NO.OF ZONES	FOOTAGE	WELLS	TOTAL ZONES	FOOTAGE	STATE OR DISTRICT
			2	4	8,143	KANSAS
3	6	9,372	5	11	12,927	KENTUCKY
			1	2	6,649	NEBRASKA
3	6	16,859	4	8	23,404	NEW MEXICO - WEST
3	6	16,859	4	8	23,404	NEW MEXICO - TOTAL
			1	2	2,942	OKLAHOMA
1	3	9,270	1	3	9,270	PENNSYLVANIA
3	6	20,607	4	8	27,307	TEXAS RRC DIST. 2
2	4	16,331	2	4	16,331	TEXAS RRC DIST. 3
6	12	47,185	8	16	61,945	TEXAS RRC DIST. 4
1	2	5,700	1	2	5,700	TEXAS RRC DIST. 7B
			1	2	7,310	TEXAS RRC DIST. 7C
2	4	15,030	2	4	15,030	TEXAS - OFFSHORE
14	28	104,853	18	36	133,623	TEXAS - TOTAL
1	2	11,558	1	2	11,558	WYOMING
22	45	151,912	33	68	208,516	TOTAL FOR JULY - SEPT 1981
34	69	247,254	53	107	343,059	TOTAL FOR JULY - SEPT 1980

TABLE IV-B(CONT.)

DEVELOPMENT WELLS COMPLETED AS MULTIPLE COMPLETIONS
IN THE UNITED STATES

JULY - SEPT 1981

MULTIPLE COMPLETION WELLS REPORTED AS GAS WELLS (NO ZONE CLASSIFIED AS AN OIL ZONE)			TOTAL MULTIPLE COMPLETION WELLS			
WELLS	NO.OF ZONES	FOOTAGE	WELLS	TOTAL ZONES	FOOTAGE	STATE OR DISTRICT
1	2	4,840	1	2	4,840	ALABAMA - ONSHORE
1	2	4,840	1	2	4,840	ALABAMA - TOTAL
13	27	78,143	13	27	78,143	ARKANSAS
			3	6	3,861	CALIFORNIA - SOUTH
			1	3	2,362	CALIFORNIA - OFFSHORE
			4	9	6,223	CALIFORNIA - TOTAL
2	4	10,868	2	4	10,868	COLORADO
5	10	22,955	34	72	130,774	KANSAS
6	12	18,509	45	97	99,730	KENTUCKY
3	6	29,362	3	6	29,362	LOUISIANA - NORTH
2	4	23,211	6	12	68,502	LOUISIANA - SOUTH
5	10	52,573	9	18	97,864	LOUISIANA - TOTAL
1	2	1,175	1	2	1,175	MONTANA
1	2	12,950	3	6	26,700	NEW MEXICO - EAST
45	90	303,559	47	94	317,617	NEW MEXICO - WEST
46	92	316,509	50	100	344,317	NEW MEXICO - TOTAL
			1	2	1,890	NEW YORK
			1	2	13,625	NORTH DAKOTA
12	24	79,091	23	46	155,045	OKLAHOMA
			5	10	12,602	PENNSYLVANIA
			1	2	5,603	TEXAS RRC DIST. 2
1	2	10,100	3	6	24,692	TEXAS RRC DIST. 3
6	12	47,609	6	12	47,609	TEXAS RRC DIST. 4
1	2	4,740	1	2	4,740	TEXAS RRC DIST. 7B
			8	16	39,682	TEXAS RRC DIST. 8
			3	6	18,404	TEXAS RRC DIST. 9
1	2	7,902	1	2	7,902	TEXAS RRC DIST. 10
9	18	70,351	23	46	148,632	TEXAS - TOTAL
1	2	4,739	1	2	4,739	VIRGINIA
2	4	12,849	4	8	27,724	WYOMING
103	207	672,602	217	447	1,138,191	TOTAL FOR JULY - SEPT 1981
102	204	764,662	209	428	1,351,794	TOTAL FOR JULY - SEPT 1980

TABLE V-A

WELLS DRILLED IN U.S. BY DEPTH INTERVALS[1]

JULY - SEPT 1981

TOTAL WELLS[2]

DEPTH INTERVALS[3] (FEET)	OIL WELLS		GAS WELLS		DRY WELLS		TOTAL DRILLED	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
0 - 1,249	1,530	1,296,524	156	146,542	570	422,445	2,256	1,865,511
1,250 - 2,499	1,842	3,284,482	676	1,334,369	838	1,554,771	3,356	6,173,622
2,500 - 3,749	1,985	6,186,713	789	2,525,796	1,127	3,557,595	3,901	12,270,104
3,750 - 4,999	1,261	5,391,551	909	3,899,505	974	4,226,804	3,144	13,517,860
5,000 - 7,499	1,324	8,040,292	853	5,066,202	1,005	6,016,782	3,182	19,123,276
7,500 - 9,999	1,086	9,317,902	465	3,989,220	539	4,585,178	2,090	17,892,300
10,000 - 12,499	244	2,648,236	285	3,155,317	315	3,478,588	844	9,282,141
12,500 - 14,999	61	807,232	128	1,714,044	132	1,753,490	321	4,274,766
15,000 - 17,499	15	239,963	60	986,675	54	900,442	129	2,127,080
17,500 - 19,999	2	35,334	19	344,864	25	460,841	46	841,039
20,000 & OVER	4	109,095	12	278,710	14	389,020	30	776,825
REPORT TOTAL	9,354	37,357,324	4,352	23,441,244	5,593	27,345,956	19,299	88,144,524

TOTAL EXPLORATORY WELLS[2]

DEPTH INTERVALS[3] (FEET)	OIL WELLS		GAS WELLS		DRY WELLS		TOTAL DRILLED	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
0 - 1,249	30	24,673	19	19,417	187	133,093	236	177,183
1,250 - 2,499	49	90,850	45	82,343	295	557,939	389	731,132
2,500 - 3,749	71	210,778	57	180,123	392	1,229,911	520	1,620,812
3,750 - 4,999	101	428,187	133	565,781	475	2,078,719	709	3,072,687
5,000 - 7,499	126	788,381	117	691,509	556	3,313,101	799	4,792,991
7,500 - 9,999	81	673,942	84	713,654	314	2,687,733	479	4,075,329
10,000 - 12,499	45	508,694	52	575,635	191	2,115,083	288	3,199,412
12,500 - 14,999	30	400,866	39	512,128	90	1,193,462	159	2,106,456
15,000 - 17,499	1	15,960	19	316,596	35	583,615	55	916,171
17,500 - 19,999			9	170,622	18	332,375	27	502,997
20,000 & OVER			7	164,935	11	318,859	18	483,794
REPORT TOTAL	534	3,142,331	581	3,992,743	2,564	14,543,890	3,679	21,678,964

1. DATA ARE PRELIMINARY AND SUBJECT TO POSSIBLE FURTHER REVISION.

2. DOES NOT INCLUDE STRATIGRAPHIC AND CORE TESTS OR SERVICE WELLS.

3. WELLS ARE CLASSIFIED BY DEPTH INTERVALS ON THE BASIS OF THE DEEPEST TOTAL DEPTH REPORTED FOR EACH WELL REGARDLESS OF THE TOTAL AMOUNT OF FOOTAGE DRILLED. FOR THE MAJORITY OF WELLS REPORTED, THE DEEPEST TOTAL DEPTH AND THE TOTAL FOOTAGE DRILLED ARE EQUAL. HOWEVER, FOR OLD WELLS DRILLED DEEPER AND FOR NEW WELLS SIDETRACKED OUT OF AN ORIGINAL HOLE TO A NEW BOTTOM-HOLE LOCATION, THE TOTAL FOOTAGE DRILLED WILL BE LESS THAN THE DEEPEST TOTAL DEPTH.

TABLE V-B

WELLS DRILLED IN U.S. BY DEPTH INTERVALS[1]

JULY - SEPT 1981

TOTAL WELLS - ONSHORE[2]

DEPTH INTERVALS[3] (FEET)	OIL WELLS		GAS WELLS		DRY WELLS		TOTAL DRILLED	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
0 - 1,249	1,530	1,296,524	156	146,542	569	421,353	2,255	1,864,419
1,250 - 2,499	1,842	3,284,482	676	1,334,369	838	1,554,771	3,356	6,173,622
2,500 - 3,749	1,983	6,180,735	789	2,525,796	1,126	3,554,245	3,898	12,260,776
3,750 - 4,999	1,258	5,378,543	909	3,899,505	968	4,199,432	3,135	13,477,480
5,000 - 7,499	1,316	7,998,049	851	5,052,273	985	5,893,509	3,152	18,943,831
7,500 - 9,999	1,081	9,281,019	404	3,981,600	511	4,350,971	2,056	17,613,590
10,000 - 12,499	240	2,603,990	281	3,111,944	286	3,170,778	807	8,886,712
12,500 - 14,999	57	749,662	127	1,699,722	115	1,524,650	299	3,974,034
15,000 - 17,499	15	239,963	60	986,675	45	756,721	120	1,983,359
17,500 - 19,999	2	35,334	18	327,364	22	407,693	42	770,391
20,000 & OVER	4	109,095	12	278,710	12	347,850	28	735,655
REPORT TOTAL	9,328	37,157,396	4,343	23,344,500	5,477	26,181,973	19,148	86,683,869

TOTAL WELLS - OFFSHORE[2]

DEPTH INTERVALS[3] (FEET)	OIL WELLS		GAS WELLS		DRY WELLS		TOTAL DRILLED	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
0 - 1,249					1	1,092	1	1,092
1,250 - 2,499								
2,500 - 3,749	2	5,978			1	3,350	3	9,328
3,750 - 4,999	3	13,008			6	27,372	9	40,380
5,000 - 7,499	8	42,243	2	13,929	20	123,273	30	179,445
7,500 - 9,999	5	36,883	1	7,620	28	234,207	34	278,710
10,000 - 12,499	4	44,246	4	43,373	29	307,810	37	395,429
12,500 - 14,999	4	57,570	1	14,322	17	228,840	22	300,732
15,000 - 17,499					9	143,721	9	143,721
17,500 - 19,999			1	17,500	3	53,148	4	70,648
20,000 & OVER					2	41,170	2	41,170
REPORT TOTAL	26	199,928	9	96,744	116	1,163,983	151	1,460,655

1. DATA ARE PRELIMINARY AND SUBJECT TO POSSIBLE FURTHER REVISION.

2. DOES NOT INCLUDE STRATIGRAPHIC AND CORE TESTS OR SERVICE WELLS.

3. WELLS ARE CLASSIFIED BY DEPTH INTERVALS ON THE BASIS OF THE DEEPEST TOTAL DEPTH REPORTED FOR EACH WELL REGARDLESS OF THE TOTAL AMOUNT OF FOOTAGE DRILLED. FOR THE MAJORITY OF WELLS REPORTED, THE DEEPEST TOTAL DEPTH AND THE TOTAL FOOTAGE DRILLED ARE EQUAL. HOWEVER, FOR OLD WELLS DRILLED DEEPER AND FOR NEW WELLS SIDETRACKED OUT OF AN ORIGINAL HOLE TO A NEW BOTTOM-HOLE LOCATION, THE TOTAL FOOTAGE DRILLED WILL BE LESS THAN THE DEEPEST TOTAL DEPTH.

TABLES

JANUARY-SEPTEMBER, 1981

TABLE I

TOTAL WELLS DRILLED IN THE UNITED STATES[1]

JAN - SEPT 1981

STATE OR DISTRICT	OIL WELLS[2]		GAS WELLS[3]		DRY HOLES[4]		TOTAL WELLS EXCLUDING SERVICE WELLS, STRATIGRAPHIC & CORE TESTS	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
ALABAMA - ONSHORE	34	174,567	38	168,942	99	600,487	171	943,996
ALABAMA - OFFSHORE								
ALABAMA - TOTAL	34	174,567	38	168,942	99	600,487	171	943,996
ALASKA - ONSHORE	92	949,871	3	24,941	13	127,680	108	1,102,492
ALASKA - OFFSHORE								
ALASKA - TOTAL	92	949,871	3	24,941	13	127,680	108	1,102,492
ARIZONA					5	28,160	5	28,160
ARKANSAS	269	1,128,213	117	663,943	261	1,394,648	647	3,186,804
CALIFORNIA - NORTH	7	27,071	58	347,885	86	508,679	151	883,635
CALIFORNIA - CENTRAL COASTAL	149	491,385			38	160,449	187	651,834
CALIFORNIA - EAST CENTRAL	1,313	2,378,907	5	18,745	81	405,819	1,399	2,803,471
CALIFORNIA - SOUTH	115	362,169			14	72,585	129	434,754
CALIFORNIA - OFFSHORE	72	359,202			15	96,244	87	455,446
CALIFORNIA - TOTAL	1,656	3,618,734	63	366,630	234	1,243,776	1,953	5,229,140
COLORADO	335	2,080,391	438	2,373,542	443	2,286,688	1,216	6,740,621
FLORIDA - ONSHORE	4	56,313			10	114,844	14	171,157
FLORIDA - OFFSHORE								
FLORIDA - TOTAL	4	56,313			10	114,844	14	171,157
GEORGIA - ONSHORE					1	6,902	1	6,902
GEORGIA - OFFSHORE								
GEORGIA - TOTAL					1	6,902	1	6,902
IDAHO					3	27,240	3	27,240
ILLINOIS	1,134	3,103,468	14	17,169	855	2,467,016	2,003	5,587,653
INDIANA	225	448,620	23	25,362	299	564,272	547	1,038,254
IOWA								
KANSAS	2,271	6,596,412	426	1,523,776	2,060	7,735,732	4,757	15,855,920
KENTUCKY	517	640,185	133	312,617	638	783,478	1,288	1,736,280
LOUISIANA - NORTH	830	2,204,366	853	3,142,085	670	3,123,063	2,353	8,469,514
LOUISIANA - SOUTH	206	1,812,780	198	2,584,129	618	7,200,386	1,022	11,597,295
LOUISIANA - OFFSHORE	34	367,434	38	380,944	223	2,272,604	295	3,020,982
LOUISIANA - TOTAL	1,070	4,384,580	1,089	6,107,158	1,511	12,596,053	3,670	23,087,791
MARYLAND								
MASSACHUSETTES								
MICHIGAN	183	666,279	25	114,281	294	1,238,650	502	2,019,210
MISSISSIPPI - ONSHORE	113	869,445	67	842,007	361	3,200,210	541	4,911,662
MISSISSIPPI - OFFSHORE								
MISSISSIPPI - TOTAL	113	869,445	67	842,007	361	3,200,210	541	4,911,662
MISSOURI	30	18,829	1	472	37	14,222	68	33,523
MONTANA	245	1,624,622	164	327,735	327	1,523,751	736	3,476,108
NEBRASKA	152	715,669	2	6,113	229	1,186,629	383	1,908,411
NEVADA	1	4,200	1	10,950	17	117,976	19	133,126
NEW JERSEY								
NEW MEXICO - EAST	478	2,190,302	261	2,339,310	140	827,810	879	5,357,422
NEW MEXICO - WEST	132	751,300	716	3,996,569	64	181,166	912	4,929,035
NEW MEXICO - TOTAL	610	2,941,602	977	6,335,879	204	1,008,976	1,791	10,286,457
NEW YORK	48	61,734	261	816,349	30	115,148	340	993,231
NORTH CAROLINA - ONSHORE								
NORTH CAROLINA - OFFSHORE								
NORTH CAROLINA - TOTAL								
NORTH DAKOTA	243	2,318,253	8	37,048	228	1,930,715	479	4,286,016
OHIO	1,203	4,168,463	1,449	5,519,608	157	499,524	2,809	10,187,595
OKLAHOMA	4,287	17,735,386	1,444	8,752,241	1,845	8,119,594	7,576	34,607,221
OREGON - ONSHORE			1	4,692	13	45,402	14	50,094
OREGON - OFFSHORE								
OREGON - TOTAL			1	4,692	13	45,402	14	50,094
PENNSYLVANIA	1,073	1,242,781	1,064	4,129,837	52	143,707	2,189	5,516,325
SOUTH DAKOTA	5	38,377	17	27,883	19	84,343	41	150,603
TENNESSEE	84	139,030	84	145,403	58	99,686	226	384,119
TEXAS RRC DIST. 1	1,039	3,901,811	87	453,931	222	884,935	1,348	5,240,677
TEXAS RRC DIST. 2	90	540,819	204	1,444,561	218	1,483,445	512	3,468,825
TEXAS RRC DIST. 3	962	7,596,921	234	2,251,761	421	3,496,262	1,617	13,344,944
TEXAS RRC DIST. 4	148	767,267	452	3,684,638	289	2,043,154	889	6,495,059
TEXAS RRC DIST. 5	185	662,296	103	1,136,764	130	931,217	418	2,730,277
TEXAS RRC DIST. 6	217	1,217,944	287	2,769,041	143	1,029,613	647	5,016,598
TEXAS RRC DIST. 7B	1,424	4,588,796	487	1,809,751	1,411	4,629,723	3,322	11,028,270
TEXAS RRC DIST. 7C	760	4,106,125	322	2,065,392	316	1,499,407	1,398	7,670,924
TEXAS RRC DIST. 8	1,362	7,613,399	87	940,431	156	1,007,817	1,605	9,561,647
TEXAS RRC DIST. 8A	1,007	5,367,100	11	63,544	282	2,208,738	1,300	7,639,382
TEXAS RRC DIST. 9	1,413	4,083,329	167	954,533	912	3,140,961	2,492	8,178,823
TEXAS RRC DIST. 10	446	2,004,212	177	1,464,122	97	750,584	720	4,218,918
TEXAS - OFFSHORE	4	34,445	18	180,002	69	631,548	91	845,995
TEXAS - TOTAL	9,057	42,484,464	2,636	19,218,471	4,666	23,737,404	16,359	85,440,339
UTAH	99	619,377	80	518,438	104	606,244	283	1,744,059
VIRGINIA	2	3,785	14	62,884	5	18,933	21	85,602
WASHINGTON - ONSHORE								
WASHINGTON - OFFSHORE								
WASHINGTON - TOTAL								
WEST VIRGINIA	128	369,858	1,054	4,476,515	129	453,015	1,311	5,299,388
WYOMING	525	3,193,354	153	1,659,848	515	3,767,079	1,193	8,620,281
OFFSHORE FEDERAL WATERS								
ALASKA								
ATLANTIC COAST								
GULF OF MEXICO - NORTHERN					20	186,348	20	186,348
TOTAL FOR JAN - SEPT 1981	25,696	102,396,862	11,846	64,590,734	15,742	78,074,532	53,284	245,062,128
TOTAL FOR JAN - SEPT 1980	18,666	76,311,988	11,127	60,651,427	12,518	63,319,003	42,311	200,282,418

1. DATA ARE PRELIMINARY AND SUBJECT TO POSSIBLE FURTHER REVISION.

2. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ONE OR MORE ZONES BUT OIL FROM AT LEAST ONE ZONE. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL (SEE TABLES IV-A AND IV-B FOR DETAIL ON MULTIPLE COMPLETION WELLS.)

3. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ALL ZONES. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL. GAS WELLS ALSO INCLUDE SO-CALLED CONDENSATE WELLS. (SEE TABLES IV-A AND IV-B FOR DETAIL ON MULTIPLE COMPLETION WELLS.)

TABLE I(CONT.)

TOTAL WELLS DRILLED IN THE UNITED STATES[1]

JAN - SEPT 1981

STRATIGRAPHIC AND CORE TESTS		SERVICE WELLS		TOTAL WELLS ALL TYPES JAN - SEPT 1981		TOTAL WELLS[5] ALL TYPES JAN - SEPT 1980		
WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	STATE OR DISTRICT
		2	15,441	173	959,437	135	945,491	ALABAMA - ONSHORE
								ALABAMA - OFFSHORE
		2	15,441	173	959,437	135	945,491	ALABAMA - TOTAL
		3	8,150	111	1,110,642	91	948,131	ALASKA - ONSHORE
						5	49,280	ALASKA - OFFSHORE
		3	8,150	111	1,110,642	96	997,411	ALASKA - TOTAL
		1	2,400	6	30,560	2	1,000	ARIZONA
		5	28,688	652	3,215,492	434	2,296,248	ARKANSAS
5	7,285	1	5,136	157	896,056	125	810,594	CALIFORNIA - NORTH
1	1,508	18	52,367	206	705,709	182	573,239	CALIFORNIA - CENTRAL COASTAL
2	2,427	373	526,311	1,774	3,332,209	1,346	2,802,314	CALIFORNIA - EAST CENTRAL
		46	142,080	175	576,834	58	233,460	CALIFORNIA - SOUTH
		19	82,692	106	538,138	70	262,417	CALIFORNIA - OFFSHORE
8	11,220	457	808,586	2,418	6,048,906	1,781	4,682,024	CALIFORNIA - TOTAL
		6	33,262	1,222	6,773,883	838	4,190,154	COLORADO
		2	17,929	16	189,086	8	99,738	FLORIDA - ONSHORE
								FLORIDA - OFFSHORE
		2	17,929	16	189,086	8	99,738	FLORIDA - TOTAL
				1	6,902			GEORGIA - ONSHORE
								GEORGIA - OFFSHORE
				1	6,902			GEORGIA - TOTAL
				3	27,240	4	46,940	IDAHO
		95	128,850	2,098	5,716,503	1,254	3,178,746	ILLINOIS
		11	11,952	558	1,050,206	503	952,446	INDIANA
								IOWA
		80	248,226	4,837	16,104,146	3,780	12,599,090	KANSAS
		53	55,862	1,341	1,792,142	670	862,872	KENTUCKY
		123	528,811	2,476	8,998,325	1,996	7,143,353	LOUISIANA - NORTH
				1,022	11,597,295	841	9,524,964	LOUISIANA - SOUTH
		1	9,112	296	3,030,098	521	5,271,242	LOUISIANA - OFFSHORE
		124	537,923	3,794	23,625,714	3,358	21,939,559	LOUISIANA - TOTAL
								MARYLAND
								MASSACHUSETTES
		14	48,834	516	2,068,044	509	2,130,514	MICHIGAN
		5	17,130	546	4,928,792	448	3,997,721	MISSISSIPPI - ONSHORE
								MISSISSIPPI - OFFSHORE
		5	17,130	546	4,928,792	448	3,997,721	MISSISSIPPI - TOTAL
58	8,426			126	41,949	10	3,118	MISSOURI
		3	8,474	739	3,484,982	636	2,518,917	MONTANA
				383	1,908,411	400	1,741,548	NEBRASKA
		3	4,928	22	138,054	8	56,625	NEVADA
								NEW JERSEY
		68	279,274	947	5,636,696	779	4,781,681	NEW MEXICO - EAST
		2	2,802	914	4,931,837	644	3,312,057	NEW MEXICO - WEST
		70	282,076	1,861	10,568,533	1,423	8,093,738	NEW MEXICO - TOTAL
2	1,423			342	994,654	354	886,647	NEW YORK
								NORTH CAROLINA - ONSHORE
								NORTH CAROLINA - OFFSHORE
		2	16,150	481	4,302,166	396	3,684,127	NORTH CAROLINA - TOTAL
3	5,763	6	16,437	2,818	10,209,795	2,067	7,286,811	NORTH DAKOTA
1	2,889	22	35,975	7,599	34,646,085	6,208	29,482,834	OHIO
				14	50,094	21	64,728	OKLAHOMA
								OREGON - ONSHORE
				14	50,094	21	64,728	OREGON - OFFSHORE
		89	184,207	2,278	5,700,532	1,287	3,543,619	OREGON - TOTAL
				41	150,603	27	128,344	PENNSYLVANIA
				226	384,119	242	387,369	SOUTH DAKOTA
		3	8,189	1,351	5,248,866	943	3,065,177	TENNESSEE
				512	3,468,025	572	3,478,788	TEXAS RRC DIST. 1
		7	43,900	1,624	13,388,844	1,264	9,869,686	TEXAS RRC DIST. 2
		1	7,345	890	6,502,404	987	7,123,090	TEXAS RRC DIST. 3
		8	20,780	426	2,751,057	304	1,708,421	TEXAS RRC DIST. 4
		25	92,210	672	5,108,808	620	4,799,269	TEXAS RRC DIST. 5
		58	152,553	3,380	11,180,823	2,256	7,124,756	TEXAS RRC DIST. 6
		4	14,982	1,402	7,685,906	1,299	7,059,044	TEXAS RRC DIST. 7B
2	5,630	51	172,956	1,658	9,740,233	1,684	9,264,659	TEXAS RRC DIST. 7C
		60	271,440	1,360	7,910,822	1,134	6,429,377	TEXAS RRC DIST. 8
		46	85,350	2,538	8,264,173	2,266	7,602,062	TEXAS RRC DIST. 8A
				720	4,218,918	675	4,529,535	TEXAS RRC DIST. 9
				91	845,995	133	1,250,433	TEXAS RRC DIST. 10
2	5,630	263	69,705	16,624	86,315,674	14,137	73,304,097	TEXAS - OFFSHORE
		2	2,297	285	1,746,356	212	1,252,895	TEXAS - TOTAL
				21	85,602	8	30,966	UTAH
								VIRGINIA
								WASHINGTON - ONSHORE
								WASHINGTON - OFFSHORE
4	3,704	35	79,678	1,350	5,382,770	1,308	4,901,327	WASHINGTON - TOTAL
		32	88,051	1,225	8,708,332	899	6,747,003	WEST VIRGINIA
								WYOMING
						3	29,492	OFFSHORE FEDERAL WATERS
								ALASKA
								ATLANTIC COAST
				20	186,348	27	293,342	GULF OF MEXICO - NORTHERN
78	39,055	1,385	3 551,611	54,747	248,652,794	43,484	203,357,501	TOTAL FOR JAN - SEPT 1981
31	56,706	1,142	3,018,377	43,484	203,357,501			TOTAL FOR JAN - SEPT 1980

4. MAY INCLUDE DISCOVERY WELLS IN OFFSHORE REGIONS AS DISCUSSED IN THE PREFACE.

5. PRIOR YEAR WELL AND FOOTAGE DATA MAY NOT CORRESPOND TO THOSE PREVIOUSLY PUBLISHED. THESE DATA ARE FINAL FOR THE PERIOD AND REFLECT ANY REVISIONS MADE DURING THE YEAR TO THOSE ORIGINALLY PUBLISHED.

TABLE II

TOTAL EXPLORATORY WELLS DRILLED IN THE UNITED STATES[1]

JAN - SEPT 1981

STATE OR DISTRICT	OIL WELLS[2]		GAS WELLS[3]		DRY HOLES[4]	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
ALABAMA - ONSHORE	4	39,530	10	27,149	56	375,095
ALABAMA - OFFSHORE						
ALABAMA - TOTAL	4	39,530	10	27,149	56	375,095
ALASKA - ONSHORE	4	51,147	2	18,121	12	117,437
ALASKA - OFFSHORE						
ALASKA - TOTAL	4	51,147	2	18,121	12	117,437
ARIZONA					5	28,160
ARKANSAS	7	44,649	7	26,722	98	609,115
CALIFORNIA - NORTH	2	5,740	35	191,625	78	467,484
CALIFORNIA - CENTRAL COASTAL	18	89,591			29	138,239
CALIFORNIA - EAST CENTRAL	53	270,759	5	18,785	66	364,186
CALIFORNIA - SOUTH	2	13,117			3	22,958
CALIFORNIA - OFFSHORE	2	14,154			3	29,558
CALIFORNIA - TOTAL	77	393,361	40	210,370	179	1,022,581
COLORADO	96	659,778	80	460,682	316	1,699,310
FLORIDA - ONSHORE					5	53,642
FLORIDA - OFFSHORE						
FLORIDA - TOTAL					5	53,642
GEORGIA - ONSHORE					1	6,902
GEORGIA - OFFSHORE						
GEORGIA - TOTAL					1	6,902
IDAHO					3	27,240
ILLINOIS	95	303,178	2	5,303	339	979,197
INDIANA	46	99,929	5	6,395	201	790,506
IOWA						
KANSAS	154	631,418	57	235,029	797	3,257,506
KENTUCKY	70	95,819	20	41,802	319	806,169
LOUISIANA - NORTH	16	83,701	19	160,457	243	1,344,193
LOUISIANA - SOUTH	19	229,698	47	675,326	251	3,201,242
LOUISIANA - OFFSHORE	1	14,130	1	14,322	120	1,318,828
LOUISIANA - TOTAL	36	327,529	67	850,105	614	5,864,263
MARYLAND						
MASSACHUSETTES						
MICHIGAN	31	114,716	11	51,074	193	889,760
MISSISSIPPI - ONSHORE	22	181,531	17	222,672	219	1,959,824
MISSISSIPPI - OFFSHORE						
MISSISSIPPI - TOTAL	22	181,531	17	222,672	219	1,959,824
MISSOURI	7	4,944			13	8,077
MONTANA	46	457,104	33	74,538	221	1,132,364
NEBRASKA	27	143,485	1	2,313	133	678,405
NEVADA			1	10,950	17	117,976
NEW JERSEY						
NEW MEXICO - EAST	32	258,102	88	534,098	68	390,595
NEW MEXICO - WEST	15	80,736	17	78,953	34	107,931
NEW MEXICO - TOTAL	47	338,838	61	612,961	102	498,526
NEW YORK			52	167,512	28	110,239
NORTH CAROLINA - ONSHORE						
NORTH CAROLINA - OFFSHORE						
NORTH CAROLINA - TOTAL						
NORTH DAKOTA	58	677,348	2	27,725	174	1,524,784
OHIO	5	28,194	17	63,051	14	88,136
OKLAHOMA	95	681,377	71	747,569	270	1,589,260
OREGON - ONSHORE			1	4,692	6	25,105
OREGON - OFFSHORE						
OREGON - TOTAL			1	4,692	6	25,105
PENNSYLVANIA	12	29,037	271	1,210,685	17	71,290
SOUTH DAKOTA	1	2,737	3	5,964	16	64,038
TENNESSEE	33	63,885	52	93,474	46	77,947
TEXAS RRC DIST. 1	71	487,145	27	133,776	97	443,418
TEXAS RRC DIST. 2	21	153,992	98	701,175	115	822,023
TEXAS RRC DIST. 3	47	418,002	102	1,002,040	219	2,023,565
TEXAS RRC DIST. 4	42	313,383	185	1,652,413	150	1,168,590
TEXAS RRC DIST. 5	6	42,048	15	146,798	87	759,016
TEXAS RRC DIST. 6	12	104,222	32	280,609	104	806,951
TEXAS RRC DIST. 7B	107	461,139	93	379,141	780	2,962,655
TEXAS RRC DIST. 7C	65	342,660	27	160,008	203	947,091
TEXAS RRC DIST. 8	40	360,780	22	303,747	89	645,604
TEXAS RRC DIST. 8A	45	398,116	2	13,125	201	1,712,302
TEXAS RRC DIST. 9	37	221,786	22	104,744	335	1,720,212
TEXAS RRC DIST. 10	2	17,300	5	35,565	32	291,203
TEXAS - OFFSHORE	2	18,401	8	68,826	52	478,581
TEXAS - TOTAL	497	3,343,974	630	4,981,963	2,464	14,781,411
UTAH	17	111,570	20	149,563	78	486,388
VIRGINIA					1	4,162
WASHINGTON - ONSHORE						
WASHINGTON - OFFSHORE						
WASHINGTON - TOTAL						
WEST VIRGINIA	4	20,200	85	382,817	27	121,810
WYOMING	51	411,476	29	375,806	317	2,411,855
OFFSHORE FEDERAL WATERS						
ALASKA						
ATLANTIC COAST						
GULF OF MEXICO - NORTHERN					17	171,202
TOTAL FOR JAN - SEPT 1981	1,542	9,252,758	1,647	11,965,007	7,329	41,545,482
TOTAL FOR JAN - SEPT 1980	1,123	6,426,900	1,412	9,799,880	5,757	32,733,840

1. DATA ARE PRELIMINARY AND SUBJECT TO POSSIBLE FURTHER REVISION.

2. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ONE OR MORE ZONES BUT OIL FROM AT LEAST ONE ZONE. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL (SEE TABLE IV-A FOR DETAIL ON MULTIPLE COMPLETION WELLS.)

3. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ALL ZONES. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL. GAS WELLS ALSO INCLUDE SO-CALLED CONDENSATE WELLS. (SEE TABLE IV-A FOR DETAIL ON MULTIPLE COMPLETION WELLS.)

TABLE II(CONT.)

TOTAL EXPLORATORY WELLS DRILLED IN THE UNITED STATES[1]

JAN - SEPT 1981

TOTAL EXPLORATORY WELLS JAN - SEPT 1981		TOTAL[5] EXPLORATORY WELLS JAN - SEPT 1980		
WELLS	FOOTAGE	WELLS	FOOTAGE	STATE OR DISTRICT
70	441,774	52	467,246	ALABAMA - ONSHORE
				ALABAMA - OFFSHORE
70	441,774	52	467,246	ALABAMA - TOTAL
18	186,705	12	127,714	ALASKA - ONSHORE
				ALASKA - OFFSHORE
18	186,705	12	127,714	ALASKA - TOTAL
5	28,160	2	1,000	ARIZONA
112	680,486	76	416,471	ARKANSAS
115	668,809	98	668,131	CALIFORNIA - NORTH
47	227,830	35	155,675	CALIFORNIA - CENTRAL COASTAL
124	653,690	92	576,610	CALIFORNIA - EAST CENTRAL
5	36,075	11	80,940	CALIFORNIA - SOUTH
5	45,704	4	40,907	CALIFORNIA - OFFSHORE
296	1,626,112	240	1,522,263	CALIFORNIA - TOTAL
494	2,819,770	336	1,663,649	COLORADO
5	53,642	4	50,962	FLORIDA - ONSHORE
				FLORIDA - OFFSHORE
5	53,642	4	50,962	FLORIDA - TOTAL
1	6,902			GEORGIA - ONSHORE
				GEORGIA - OFFSHORE
1	6,902			GEORGIA - TOTAL
3	27,240	4	46,940	IDAHO
836	1,287,678	250	741,283	ILLINOIS
252	496,830	224	463,788	INDIANA
				IOWA
1,808	8,103,953	791	3,148,509	KANSAS
469	545,790	255	382,042	KENTUCKY
278	1,588,351	223	1,319,966	LOUISIANA - NORTH
517	8,106,266	200	2,663,957	LOUISIANA - SOUTH
122	1,343,280	112	1,177,015	LOUISIANA - OFFSHORE
717	7,037,897	535	5,160,938	LOUISIANA - TOTAL
				MARYLAND
				MASSACHUSETTES
235	1,015,550	234	1,010,298	MICHIGAN
258	2,364,027	186	1,673,860	MISSISSIPPI - ONSHORE
				MISSISSIPPI - OFFSHORE
258	2,364,027	186	1,673,860	MISSISSIPPI - TOTAL
20	13,021			MISSOURI
500	1,064,006	262	1,301,594	MONTANA
161	824,203	217	875,025	NEBRASKA
18	128,926	7	52,406	NEVADA
				NEW JERSEY
144	1,176,705	137	1,041,137	NEW MEXICO - EAST
66	271,620	68	234,735	NEW MEXICO - WEST
210	1,450,325	205	1,275,872	NEW MEXICO - TOTAL
80	277,751	20	55,443	NEW YORK
				NORTH CAROLINA - ONSHORE
				NORTH CAROLINA - OFFSHORE
				NORTH CAROLINA - TOTAL
254	2,229,657	156	1,578,794	NORTH DAKOTA
36	135,361	41	157,681	OHIO
436	3,018,206	342	2,599,448	OKLAHOMA
7	29,797	12	39,752	OREGON - ONSHORE
				OREGON - OFFSHORE
7	29,797	12	39,752	OREGON - TOTAL
300	1,311,012	80	373,926	PENNSYLVANIA
20	72,739	11	37,881	SOUTH DAKOTA
131	235,506	116	185,977	TENNESSEE
195	1,064,339	217	895,164	TEXAS RRC DIST. 1
230	1,677,190	294	1,953,629	TEXAS RRC DIST. 2
368	3,483,607	298	2,753,496	TEXAS RRC DIST. 3
377	3,134,386	427	3,332,747	TEXAS RRC DIST. 4
106	947,658	87	705,914	TEXAS RRC DIST. 5
148	1,196,782	136	1,162,901	TEXAS RRC DIST. 6
980	3,803,135	671	2,554,222	TEXAS RRC DIST. 7B
295	1,449,759	280	1,380,405	TEXAS RRC DIST. 7C
151	1,310,131	161	1,340,205	TEXAS RRC DIST. 8
248	2,123,543	198	1,558,484	TEXAS RRC DIST. 8A
194	2,046,742	298	1,549,312	TEXAS RRC DIST. 9
57	344,068	46	452,026	TEXAS RRC DIST. 10
62	565,808	80	785,482	TEXAS - OFFSHORE
5,591	23,107,348	5,195	20,421,987	TEXAS - TOTAL
115	747,521	70	438,047	UTAH
1	8,162	1	8,640	VIRGINIA
				WASHINGTON - ONSHORE
				WASHINGTON - OFFSHORE
				WASHINGTON - TOTAL
116	524,827	87	390,479	WEST VIRGINIA
597	3,197,137	249	2,136,803	WYOMING
				OFFSHORE FEDERAL WATERS
		3	29,492	ALASKA
				ATLANTIC COAST
17	171,202	12	125,914	GULF OF MEXICO - NORTHERN
10,509	61,863,283	8,292	48,958,620	TOTAL FOR JAN - SEPT 1981
8,292	48,958,620			TOTAL FOR JAN - SEPT 1980

4. MAY INCLUDE DISCOVERY WELLS IN OFFSHORE REGIONS AS DISCUSSED IN THE PREFACE.

5. PRIOR YEAR WELL AND FOOTAGE DATA MAY NOT CORRESPOND TO THOSE PREVIOUSLY PUBLISHED. THESE DATA ARE FINAL FOR THE PERIOD AND REFLECT ANY REVISIONS MADE DURING THE YEAR TO THOSE ORIGINALLY PUBLISHED.

TABLE III

DEVELOPMENT WELLS DRILLED IN THE UNITED STATES[1]

JAN - SEPT 1981

STATE OR DISTRICT	OIL WELLS[2]		GAS WELLS[3]		DRY HOLES	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
ALABAMA - ONSHORE	30	135,037	28	141,793	43	225,392
ALABAMA - OFFSHORE						
ALABAMA - TOTAL	30	135,037	28	141,793	43	225,392
ALASKA - ONSHORE	88	898,724	1	6,820	1	10,243
ALASKA - OFFSHORE						
ALASKA - TOTAL	88	898,724	1	6,820	1	10,243
ARIZONA						
ARKANSAS	262	1,083,564	110	637,221	163	785,533
CALIFORNIA - NORTH	5	21,331	23	156,260	8	41,235
CALIFORNIA - CENTRAL COASTAL	131	401,794			9	22,210
CALIFORNIA - EAST CENTRAL	1,260	2,108,148			15	41,633
CALIFORNIA - SOUTH	213	349,052			11	49,627
CALIFORNIA - OFFSHORE	70	345,048			12	66,690
CALIFORNIA - TOTAL	1,579	3,225,373	23	156,260	55	221,395
COLORADO	239	1,420,613	358	1,912,860	125	587,378
FLORIDA - ONSHORE	4	56,313			5	61,202
FLORIDA - OFFSHORE						
FLORIDA - TOTAL	4	56,313			5	61,202
GEORGIA - ONSHORE						
GEORGIA - OFFSHORE						
GEORGIA - TOTAL						
IDAHO						
ILLINOIS	1,039	2,800,290	12	11,866	516	1,487,819
INDIANA	179	348,691	18	18,967	98	173,766
IOWA						
KANSAS	2,117	5,964,994	369	1,288,747	1,263	4,498,226
KENTUCKY	447	544,366	113	270,815	319	377,309
LOUISIANA - NORTH	814	2,120,665	834	2,981,628	427	1,778,470
LOUISIANA - SOUTH	187	1,583,082	151	1,908,803	367	3,999,,44
LOUISIANA - OFFSHORE	33	353,304	37	366,622	103	957,776
LOUISIANA - TOTAL	1,034	4,057,051	1,022	5,257,053	897	6,735,790
MARYLAND						
MASSACHUSETTIES						
MICHIGAN	152	551,563	14	63,207	101	388,890
MISSISSIPPI - ONSHORE	91	687,914	50	619,335	142	1,240,386
MISSISSIPPI - OFFSHORE						
MISSISSIPPI - TOTAL	91	687,914	50	619,335	142	1,240,386
MISSOURI	23	13,885	1	472	24	6,145
MONTANA	199	1,167,518	131	253,197	106	391,387
NEBRASKA	125	572,184	1	3,800	96	508,224
NEVADA	1	4,200				
NEW JERSEY						
NEW MEXICO - EAST	446	1,936,200	217	1,805,302	72	437,215
NEW MEXICO - WEST	117	666,564	699	3,917,616	30	73,235
NEW MEXICO - TOTAL	563	2,602,764	916	5,722,918	102	510,450
NEW YORK	49	61,734	209	648,837	2	4,909
NORTH CAROLINA - ONSHORE						
NORTH CAROLINA - OFFSHORE						
NORTH CAROLINA - TOTAL						
NORTH DAKOTA	185	1,640,905	6	9,323	54	405,931
OHIO	1,198	4,144,269	1,432	5,456,557	143	451,388
OKLAHOMA	4,192	17,054,009	1,373	8,004,672	1,575	6,530,334
OREGON - ONSHORE					7	20,297
OREGON - OFFSHORE						
OREGON - TOTAL					7	20,297
PENNSYLVANIA	1,061	1,213,748	793	2,919,152	35	72,417
SOUTH DAKOTA	4	35,640	14	21,919	3	20,305
TENNESSEE	51	75,145	32	51,929	12	21,739
TEXAS RRC DIST. 1	968	3,414,666	60	320,155	125	441,517
TEXAS RRC DIST. 2	69	386,827	110	743,386	103	661,422
TEXAS RRC DIST. 3	915	7,178,919	132	1,249,721	202	1,472,697
TEXAS RRC DIST. 4	106	453,884	267	2,032,225	139	874,564
TEXAS RRC DIST. 5	179	620,248	90	989,970	43	172,201
TEXAS RRC DIST. 6	205	1,108,722	255	2,488,432	39	222,662
TEXAS RRC DIST. 7B	1,317	4,127,657	394	1,430,610	631	1,666,868
TEXAS RRC DIST. 7C	695	3,763,465	295	1,905,384	113	552,316
TEXAS RRC DIST. 8	1,322	7,252,619	65	636,684	67	362,213
TEXAS RRC DIST. 8A	962	4,968,984	9	50,419	81	496,436
TEXAS RRC DIST. 9	1,376	3,861,543	145	849,789	577	1,420,749
TEXAS RRC DIST. 10	444	1,986,912	174	1,428,557	65	459,381
TEXAS - OFFSHORE	2	16,044	10	111,176	17	152,967
TEXAS - TOTAL	8,560	39,140,490	2,006	14,236,508	2,202	8,955,993
UTAH	82	507,807	60	368,875	26	119,856
VIRGINIA	2	3,765	14	62,884	4	14,771
WASHINGTON - ONSHORE						
WASHINGTON - OFFSHORE						
WASHINGTON - TOTAL						
WEST VIRGINIA	124	349,658	969	4,093,698	102	331,205
WYOMING	474	2,781,878	124	1,286,042	198	1,355,224
OFFSHORE FEDERAL WATERS						
ALASKA						
ATLANTIC COAST						
GULF OF MEXICO - NORTHERN					3	15,146
TOTAL FOR JAN - SEPT 1981	28,154	93,144,108	10,199	53,525,727	8,422	36,529,050
TOTAL FOR JAN - SEPT 1980	17,543	69,887,088	9,715	50,851,547	6,761	30,585,163

1. DATA ARE PRELIMINARY AND SUBJECT TO POSSIBLE FURTHER REVISION.

2. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ONE OR MORE ZONES BUT OIL FROM AT LEAST ONE ZONE. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL (SEE TABLE IV-B FOR DETAIL ON MULTIPLE COMPLETION WELLS.)

TABLE III(CONT.)

DEVELOPMENT WELLS DRILLED IN THE UNITED STATES[1]

JAN - SEPT 1981

TOTAL DEVELOPMENT WELLS JAN - SEPT 1981		TOTAL DEVELOPMENT WELLS JAN - SEPT 1980[4]		STATE OR DISTRICT
WELLS	FOOTAGE	WELLS	FOOTAGE	
101	502,222	83	478,245	ALABAMA - ONSHORE
				ALABAMA - OFFSHORE
101	502,222	83	478,245	ALABAMA - TOTAL
90	915,787	77	807,333	ALASKA - ONSHORE
		3	28,247	ALASKA - OFFSHORE
90	915,787	80	835,580	ALASKA - TOTAL
535	2,506,318	354	1,853,081	ARIZONA
36	218,826	25	134,725	ARKANSAS
140	424,004	112	325,707	CALIFORNIA - NORTH
1,275	2,149,781	989	1,870,056	CALIFORNIA - CENTRAL COASTAL
124	398,679	33	106,841	CALIFORNIA - EAST CENTRAL
82	411,738	45	166,253	CALIFORNIA - SOUTH
1,657	3,603,028	1,204	2,603,582	CALIFORNIA - OFFSHORE
722	3,920,851	501	2,521,496	CALIFORNIA - TOTAL
9	117,515	4	48,776	COLORADO
				FLORIDA - ONSHORE
9	117,515	4	48,776	FLORIDA - OFFSHORE
				FLORIDA - TOTAL
				GEORGIA - ONSHORE
				GEORGIA - OFFSHORE
				GEORGIA - TOTAL
1,567	4,299,975	907	2,325,923	IDAHO
295	541,424	263	472,685	ILLINOIS
				INDIANA
3,749	11,751,967	2,920	9,258,598	IOWA
879	1,192,490	390	455,900	KANSAS
2,075	6,881,163	1,711	5,635,840	KENTUCKY
705	7,491,029	641	6,861,007	LOUISIANA - NORTH
173	1,677,702	402	4,032,168	LOUISIANA - SOUTH
2,953	16,049,894	2,754	16,529,015	LOUISIANA - OFFSHORE
				LOUISIANA - TOTAL
				MARYLAND
				MASSACHUSETTES
267	1,003,660	252	1,067,718	MICHIGAN
283	2,547,635	253	2,277,523	MISSISSIPPI - ONSHORE
				MISSISSIPPI - OFFSHORE
283	2,547,635	253	2,277,523	MISSISSIPPI - TOTAL
48	20,502	2	686	MISSOURI
436	1,812,102	367	1,185,699	MONTANA
222	1,084,208	180	852,901	NEBRASKA
1	4,200	1	4,219	NEVADA
				NEW JERSEY
735	4,178,717	630	3,689,247	NEW MEXICO - EAST
846	4,657,415	576	3,077,322	NEW MEXICO - WEST
1,581	8,836,132	1,206	6,766,569	NEW MEXICO - TOTAL
260	715,480	313	813,463	NEW YORK
				NORTH CAROLINA - ONSHORE
				NORTH CAROLINA - OFFSHORE
				NORTH CAROLINA - TOTAL
245	2,056,159	239	2,099,645	NORTH DAKOTA
2,773	10,052,214	2,026	7,129,130	OHIO
7,140	31,589,015	5,846	26,844,500	OKLAHOMA
7	20,297	9	24,976	OREGON - ONSHORE
				OREGON - OFFSHORE
7	20,297	9	24,976	OREGON - TOTAL
1,889	4,205,313	1,160	3,072,386	PENNSYLVANIA
21	77,864	15	81,869	SOUTH DAKOTA
95	148,813	124	201,392	TENNESSEE
1,153	4,176,338	721	2,163,443	TEXAS RRC DIST. 1
282	1,791,635	276	1,514,999	TEXAS RRC DIST. 2
1,249	9,901,337	964	7,101,261	TEXAS RRC DIST. 3
512	3,560,673	554	3,755,808	TEXAS RRC DIST. 4
312	1,782,419	209	992,360	TEXAS RRC DIST. 5
499	3,819,816	461	3,584,689	TEXAS RRC DIST. 6
2,342	7,225,135	1,546	4,450,712	TEXAS RRC DIST. 7B
1,103	6,221,165	1,010	5,643,963	TEXAS RRC DIST. 7C
1,454	8,251,516	1,358	7,252,597	TEXAS RRC DIST. 8
1,052	5,515,839	882	4,598,446	TEXAS RRC DIST. 8A
2,098	6,132,081	1,913	5,922,445	TEXAS RRC DIST. 9
683	3,874,850	629	4,077,309	TEXAS RRC DIST. 10
29	280,187	53	464,951	TEXAS - OFFSHORE
12,768	62,332,991	10,576	51,522,983	TEXAS - TOTAL
168	996,538	140	803,443	UTAH
20	81,440	7	26,326	VIRGINIA
				WASHINGTON - ONSHORE
				WASHINGTON - OFFSHORE
				WASHINGTON - TOTAL
1,195	4,774,561	1,181	4,413,505	WEST VIRGINIA
796	5,423,144	642	4,584,556	WYOMING
				OFFSHORE FEDERAL WATERS
				ALASKA
				ATLANTIC COAST
3	15,146	15	167,428	GULF OF MEXICO - NORTHERN
42,775	185,198,885	34,019	151,323,798	TOTAL FOR JAN - SEPT 1981
34,019	151,323,798			TOTAL FOR JAN - SEPT 1980

3. INCLUDES MULTIPLE COMPLETION WELLS WHICH PRODUCE GAS FROM ALL ZONES. A MULTIPLE COMPLETION WELL IS COUNTED AS ONE WELL. GAS WELLS ALSO INCLUDE SO-CALLED CONDENSATE WELLS. (SEE TABLE IV-B FOR DETAIL ON MULTIPLE COMPLETION WELLS.)

4. PRIOR YEAR WELL AND FOOTAGE DATA MAY NOT CORRESPOND TO THOSE PREVIOUSLY PUBLISHED. THESE DATA ARE FINAL FOR THE PERIOD AND REFLECT ANY REVISIONS MADE DURING THE YEAR TO THOSE ORIGINALLY PUBLISHED.

TABLE IV-A

EXPLORATORY WELLS COMPLETED AS MULTIPLE COMPLETIONS
IN THE UNITED STATES

JAN - SEPT 1981

STATE O DISTRICT	MULTIPLE COMPLETION WELLS REPORTED AS OIL WELLS (AT LEAST ONE ZONE CLASSIFIED AS AN OIL ZONE)						
	ALL ZONES CLASSIFIED AS OIL ZONE			COMBINATION OIL AND GAS WELLS			
	WELLS	NO.OF ZONES	FOOTAGE	WELLS	NO. OIL ZONES	NO. GAS ZONES	FOOTAGE
KANSAS	7	14	28,264	1	1	1	4,774
KENTUCKY	5	13	3,697	1	1	2	2,867
LOUISIANA - SOUTH	1	2	17,800				
LOUISIANA - TOTAL	1	2	17,800				
MISSOURI	3	8	2,112				
NEBRASKA							
NEW MEXICO - WEST	1	2	6,700	1	1	1	6,649
NEW MEXICO - TOTAL	1	2	6,700	1	1	1	6,545
NEW YORK				1	1	1	6,545
OKLAHOMA				1	1	1	2,942
PENNSYLVANIA				4	4	4	14,166
TENNESSEE				6	6	6	19,907
TEXAS RRC DIST. 1							
TEXAS RRC DIST. 2	1	2	8,375	3	3	3	21,318
TEXAS RRC DIST. 3				1	1	1	10,130
TEXAS RRC DIST. 4	2	4	14,760	5	5	5	39,071
TEXAS RRC DIST. 7B							
TEXAS RRC DIST. 7C	2	4	11,560				
TEXAS RRC DIST. 8							
TEXAS RRC DIST. 9							
TEXAS RRC DIST. 10							
TEXAS - OFFSHORE				1	1	1	7,386
TEXAS - TOTAL	5	10	34,695	10	10	10	77,905
UTAH							
WYOMING							
TOTAL FOR JAN - SEPT 1981	22	49	93,268	25	25	26	135,755
TOTAL FOR JAN - SEPT 1980	13	28	67,612	22	22	22	101,945

TABLE IV-B

DEVELOPMENT WELLS COMPLETED AS MULTIPLE COMPLETIONS
IN THE UNITED STATES

JAN - SEPT 1981

STATE OR DISTRICT	MULTIPLE COMPLETION WELLS REPORTED AS OIL WELLS (AT LEAST ONE ZONE CLASSIFIED AS AN OIL ZONE)						
	ALL ZONES CLASSIFIED AS OIL ZONE			COMBINATION OIL AND GAS WELLS			
	WELLS	NO.OF ZONES	FOOTAGE	WELLS	NO. OIL ZONES	NO. GAS ZONES	FOOTAGE
ALABAMA - ONSHORE							
ALABAMA - TOTAL							
ARKANSAS							
CALIFORNIA - SOUTH	6	12	10,018				
CALIFORNIA - OFFSHORE	3	9	4,904				
CALIFORNIA - TOTAL	9	21	14,922				
COLORADO	1	2	5,370				
KANSAS	80	170	295,023	1	1	1	5,040
KENTUCKY	67	155	78,939	20	20	23	61,111
LOUISIANA - NORTH							
LOUISIANA - SOUTH	8	16	90,601	1	1	1	18,142
LOUISIANA - OFFSHORE	1	2	9,186	1	1	1	14,827
LOUISIANA - TOTAL	9	18	99,787	2	2	2	28,969
MISSISSIPPI - ONSHORE				1	1	1	6,300
MISSISSIPPI - TOTAL				1	1	1	6,300
MISSOURI	3	6	1,920				
MONTANA							
NEW MEXICO - EAST	3	6	21,500	1	1	1	11,037
NEW MEXICO - WEST	1	2	7,473	3	3	3	20,411
NEW MEXICO - TOTAL	4	8	28,973	4	4	4	31,448
NEW YORK				1	1	1	1,890
NORTH DAKOTA	1	2	13,625				
OHIO							
OKLAHOMA	33	68	236,159	12	12	12	83,540
PENNSYLVANIA				12	12	12	41,347
TENNESSEE				5	5	5	7,403
TEXAS RRC DIST. 1							
TEXAS RRC DIST. 2	1	2	5,603	1	1	1	8,373
TEXAS RRC DIST. 3	1	2	8,345	2	2	2	14,592
TEXAS RRC DIST. 4							
TEXAS RRC DIST. 6				6	6	8	47,579
TEXAS RRC DIST. 7B				1	1	1	4,466
TEXAS RRC DIST. 7C							
TEXAS RRC DIST. 8	21	42	104,374	1	1	1	4,775
TEXAS RRC DIST. 9	1	2	4,800	6	6	6	35,818
TEXAS RRC DIST. 10				4	4	4	43,012
TEXAS - OFFSHORE							
TEXAS - TOTAL	24	48	123,172	21	21	23	158,615
VIRGINIA							
WYOMING	4	8	15,685	1	1	1	10,807
TOTAL FOR JAN - SEPT 1981	235	506	913,575	80	80	85	436,470
TOTAL FOR JAN - SEPT 1980	196	410	1,082,158	106	107	108	659,600

TABLE IV-A(CONT.)

EXPLORATORY WELLS COMPLETED AS MULTIPLE COMPLETIONS
IN THE UNITED STATES

JAN - SEPT 1981

MULTIPLE COMPLETION WELLS REPORTED AS GAS WELLS (NO ZONE CLASSIFIED AS AN OIL ZONE)			TOTAL MULTIPLE COMPLETION WELLS			
WELLS	NO. OF ZONES	FOOTAGE	WELLS	TOTAL ZONES	FOOTAGE	STATE OR DISTRICT
1	2	3,890	9	18	36,928	KANSAS
6	12	15,955	12	28	22,519	KENTUCKY
			1	2	17,800	LOUISIANA - SOUTH
			1	2	17,800	LOUISIANA - TOTAL
			3	8	2,112	MISSOURI
			1	2	6,649	NEBRASKA
7	14	43,065	9	18	56,310	NEW MEXICO - WEST
7	14	43,065	9	18	56,310	NEW MEXICO - TOTAL
3	6	11,730	3	6	11,730	NEW YORK
			1	2	2,942	OKLAHOMA
3	7	26,781	7	15	40,947	PENNSYLVANIA
			6	12	19,907	TENNESSEE
1	2	4,008	1	2	4,008	TEXAS RRC DIST. 1
10	20	63,812	14	28	93,505	TEXAS RRC DIST. 2
8	17	71,487	9	19	81,617	TEXAS RRC DIST. 3
17	34	131,158	24	48	184,989	TEXAS RRC DIST. 4
5	10	24,896	5	10	24,896	TEXAS RRC DIST. 7B
1	2	5,062	3	6	16,622	TEXAS RRC DIST. 7C
1	2	22,610	1	2	22,610	TEXAS RRC DIST. 8
2	4	11,015	2	4	11,015	TEXAS RRC DIST. 9
1	2	7,820	1	2	7,820	TEXAS RRC DIST. 10
6	12	46,230	7	14	53,616	TEXAS - OFFSHORE
52	105	388,098	67	135	500,698	TEXAS - TOTAL
1	2	7,300	1	2	7,300	UTAH
2	4	29,220	2	4	29,220	WYOMING
75	152	526,039	122	252	755,062	TOTAL FOR JAN - SEPT 1981
80	164	550,086	115	236	719,643	TOTAL FOR JAN - SEPT 1980

TABLE IV-B(CONT.)

DEVELOPMENT WELLS COMPLETED AS MULTIPLE COMPLETIONS
IN THE UNITED STATES

JAN - SEPT 1981

MULTIPLE COMPLETION WELLS REPORTED AS GAS WELLS (NO ZONE CLASSIFIED AS AN OIL ZONE)			TOTAL MULTIPLE COMPLETION WELLS			
WELLS	NO. OF ZONES	FOOTAGE	WELLS	TOTAL ZONES	FOOTAGE	STATE OR DISTRICT
2	4	9,715	2	4	9,715	ALABAMA - ONSHORE
2	4	9,715	2	4	9,715	ALABAMA - TOTAL
42	86	261,239	42	86	261,239	ARKANSAS
			6	12	10,018	CALIFORNIA - SOUTH
			3	9	4,904	CALIFORNIA - OFFSHORE
			9	21	14,922	CALIFORNIA - TOTAL
3	6	18,879	4	8	24,249	COLORADO
8	16	39,379	89	188	339,442	KANSAS
27	56	76,701	114	254	216,751	KENTUCKY
4	8	39,356	4	8	39,356	LOUISIANA - NORTH
8	16	92,285	17	34	197,028	LOUISIANA - SOUTH
8	16	61,797	10	20	85,810	LOUISIANA - OFFSHORE
20	40	193,438	31	62	322,194	LOUISIANA - TOTAL
5	11	50,304	6	13	56,604	MISSISSIPPI - ONSHORE
5	11	50,304	6	13	56,604	MISSISSIPPI - TOTAL
			3	6	1,920	MISSOURI
4	8	5,007	4	8	5,007	MONTANA
1	2	12,950	5	10	45,487	NEW MEXICO - EAST
145	293	941,831	149	301	969,715	NEW MEXICO - WEST
146	295	954,781	154	311	1,015,202	NEW MEXICO - TOTAL
3	6	12,060	4	8	13,950	NEW YORK
			1	2	13,625	NORTH DAKOTA
1	2	3,997	1	2	3,997	OHIO
36	72	232,123	81	164	551,822	OKLAHOMA
			12	24	41,347	PENNSYLVANIA
			5	10	7,403	TENNESSEE
2	4	24,503	2	4	24,503	TEXAS RRC DIST. 1
			2	4	13,976	TEXAS RRC DIST. 2
4	8	35,902	7	14	58,889	TEXAS RRC DIST. 3
10	20	77,921	10	20	77,921	TEXAS RRC DIST. 4
3	6	27,025	9	20	74,604	TEXAS RRC DIST. 6
4	8	21,539	5	10	26,005	TEXAS RRC DIST. 7B
2	4	19,165	2	4	19,165	TEXAS RRC DIST. 7C
			22	44	109,149	TEXAS RRC DIST. 8
2	4	13,000	9	18	53,618	TEXAS RRC DIST. 9
3	6	26,322	7	14	69,734	TEXAS RRC DIST. 10
1	2	8,335	1	2	8,335	TEXAS - OFFSHORE
31	62	253,712	76	154	535,[illegible]	TEXAS - TOTAL
7	15	31,222	7	15	31,222	VIRGINIA
2	4	12,849	7	14	39,341	WYOMING
337	683	2,155,406	652	1,354	3,505,451	TOTAL FOR JAN - SEPT 1981
274	561	1,962,883	576	1,186	3,704,641	TOTAL FOR JAN - SEPT 1980

TABLE V-A

WELLS DRILLED IN U.S. BY DEPTH INTERVALS[1]

JAN - SEPT 1981

TOTAL WELLS[2]

DEPTH INTERVALS[3] (FEET)	OIL WELLS		GAS WELLS		DRY WELLS		TOTAL DRILLED	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
0 - 1,249	4,493	3,767,759	460	432,772	1,586	1,176,072	6,539	5,376,603
1,250 - 2,499	5,024	9,098,601	1,896	3,780,978	2,237	4,147,254	9,157	17,026,833
2,500 - 3,749	5,144	16,029,886	2,046	6,498,925	3,125	9,834,091	10,315	32,362,902
3,750 - 4,999	3,454	14,921,082	2,314	9,905,254	2,755	11,949,715	8,523	36,776,051
5,000 - 7,499	3,687	22,226,093	2,406	14,454,765	2,918	17,497,909	9,011	54,178,767
7,500 - 9,999	2,937	25,181,096	1,262	10,747,416	1,522	12,985,714	5,721	48,914,226
10,000 - 12,499	693	7,530,195	819	9,026,501	896	9,895,850	2,408	26,452,546
12,500 - 14,999	202	2,670,995	357	4,805,796	427	5,711,474	986	13,188,265
15,000 - 17,499	42	657,933	184	2,962,709	187	3,011,484	413	6,632,126
17,500 - 19,999	11	183,927	69	1,261,271	62	1,141,951	142	2,587,149
20,000 & OVER	5	129,295	33	714,367	31	723,018	69	1,566,660
REPORT TOTAL	25,696	102,396,862	11,846	64,590,734	15,742	78,074,532	53,284	245,062,128

TOTAL EXPLORATORY WELLS[2]

DEPTH INTERVALS[3] (FEET)	OIL WELLS		GAS WELLS		DRY WELLS		TOTAL DRILLED	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
0 - 1,249	76	57,664	50	46,257	477	334,582	603	438,503
1,250 - 2,499	154	288,379	145	276,034	816	1,548,296	1,115	2,112,709
2,500 - 3,749	197	608,272	193	603,206	1,141	3,591,215	1,531	4,802,693
3,750 - 4,999	290	1,252,235	348	1,482,465	1,396	6,094,202	2,034	8,828,902
5,000 - 7,499	347	2,150,775	343	2,039,846	1,636	9,857,724	2,326	14,048,345
7,500 - 9,999	258	2,164,179	219	1,873,318	870	7,437,249	1,347	11,474,746
10,000 - 12,499	125	1,405,008	153	1,692,991	540	5,961,636	818	9,059,635
12,500 - 14,999	78	1,044,031	91	1,214,233	267	3,585,525	436	5,843,789
15,000 - 17,499	12	189,379	63	1,004,229	110	1,784,658	185	2,978,266
17,500 - 19,999	4	72,632	25	469,593	44	805,715	73	1,347,940
20,000 & OVER	1	20,200	17	362,835	23	544,680	41	927,715
REPORT TOTAL	1,542	9,252,754	1,647	11,065,007	7,320	41,545,482	10,509	61,863,243

1. DATA ARE PRELIMINARY AND SUBJECT TO POSSIBLE FURTHER REVISION.

2. DOES NOT INCLUDE STRATIGRAPHIC AND CORE TESTS OR SERVICE WELLS.

3. WELLS ARE CLASSIFIED BY DEPTH INTERVALS ON THE BASIS OF THE DEEPEST TOTAL DEPTH REPORTED FOR EACH WELL REGARDLESS OF THE TOTAL AMOUNT OF FOOTAGE DRILLED. FOR THE MAJORITY OF WELLS REPORTED, THE DEEPEST TOTAL DEPTH AND THE TOTAL FOOTAGE DRILLED ARE EQUAL. HOWEVER, FOR OLD WELLS DRILLED DEEPER AND FOR NEW WELLS SIDETRACKED OUT OF AN ORIGINAL HOLE TO A NEW BOTTOM-HOLE LOCATION, THE TOTAL FOOTAGE DRILLED WILL BE LESS THAN THE DEEPEST TOTAL DEPTH.

TABLE V-B

WELLS DRILLED IN U.S. BY DEPTH INTERVALS[1]

JAN - SEPT 1981

TOTAL WELLS - ONSHORE[2]

DEPTH INTERVALS[3] (FEET)	OIL WELLS		GAS WELLS		DRY WELLS		TOTAL DRILLED	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
0 - 1,249	4,493	3,767,759	460	432,772	1,581	1,170,673	6,534	5,371,204
1,250 - 2,499	5,028	9,098,601	1,896	3,780,978	2,231	4,143,831	9,155	17,023,410
2,500 - 3,749	5,132	15,995,850	2,046	6,498,925	3,118	9,811,748	10,296	32,306,523
3,750 - 4,999	3,434	14,853,283	2,312	9,897,326	2,741	11,888,374	8,487	36,638,983
5,000 - 7,499	3,656	22,062,275	2,397	14,396,986	2,866	17,172,568	8,919	53,631,831
7,500 - 9,999	2,919	25,052,213	1,249	10,638,430	1,433	12,235,021	5,601	47,925,664
10,000 - 12,499	679	7,379,506	795	8,764,138	817	9,030,571	2,291	25,174,275
12,500 - 14,999	190	2,504,844	353	4,750,944	375	5,016,102	918	12,271,890
15,000 - 17,499	40	626,247	182	2,929,069	169	2,723,802	391	6,279,118
17,500 - 19,999	10	165,848	67	1,225,871	56	1,033,860	133	2,425,579
20,000 & OVER	5	129,295	33	714,347	28	661,238	66	1,504,880
REPORT TOTAL	25,586	101,635,781	11,790	64,029,788	15,415	74,887,788	52,791	240,553,357

TOTAL WELLS - OFFSHORE[2]

DEPTH INTERVALS[3] (FEET)	OIL WELLS		GAS WELLS		DRY WELLS		TOTAL DRILLED	
	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE	WELLS	FOOTAGE
0 - 1,249					5	5,399	5	5,399
1,250 - 2,499					2	3,423	2	3,423
2,500 - 3,749	12	34,036			7	22,343	19	56,379
3,750 - 4,999	20	67,799	2	7,928	14	61,341	36	137,068
5,000 - 7,499	31	163,818	9	57,777	52	325,341	92	546,936
7,500 - 9,999	18	128,883	13	108,986	89	750,693	120	988,562
10,000 - 12,499	14	150,629	24	262,363	79	865,279	117	1,278,271
12,500 - 14,999	12	166,151	4	54,852	52	695,372	68	916,375
15,000 - 17,499	2	31,686	2	33,640	18	287,682	22	353,008
17,500 - 19,999	1	18,079	2	35,400	6	108,091	9	161,570
20,000 & OVER					3	61,780	3	61,780
REPORT TOTAL	110	761,081	56	560,946	327	3,186,744	493	4,508,771

1. DATA ARE PRELIMINARY AND SUBJECT TO POSSIBLE FURTHER REVISION.

2. DOES NOT INCLUDE STRATIGRAPHIC AND CORE TESTS OR SERVICE WELLS.

3. WELLS ARE CLASSIFIED BY DEPTH INTERVALS ON THE BASIS OF THE DEEPEST TOTAL DEPTH REPORTED FOR EACH WELL REGARDLESS OF THE TOTAL AMOUNT OF FOOTAGE DRILLED. FOR THE MAJORITY OF WELLS REPORTED, THE DEEPEST TOTAL DEPTH AND THE TOTAL FOOTAGE DRILLED ARE EQUAL. HOWEVER, FOR OLD WELLS DRILLED DEEPER AND FOR NEW WELLS SIDETRACKED OUT OF AN ORIGINAL HOLE TO A NEW BOTTOM-HOLE LOCATION, THE TOTAL FOOTAGE DRILLED WILL BE LESS THAN THE DEEPEST TOTAL DEPTH.

APPENDIX A

SOURCE AGENCIES FOR DRILLING STATISTICS

APPENDIX A

SOURCE AGENCIES FOR DRILLING STATISTICS

STATE AND AREA	RESPONDENT
Alabama	Shell Oil Company
Alaska	Chevron Company, U.S.A.
Arizona	Exxon Company, U.S.A.
Arkansas	Marathon Oil Company
California	Chevron Company, U.S.A.
Colorado	Conoco Inc.
Delaware	Delaware Geological Survey
Florida	Shell Oil Company
Georgia	Shell Oil Company
Idaho	Mobil Oil Corporation
Illinois	Illinois State Geological Survey
Indiana	Indiana Geological Survey
Iowa	Iowa Geological Survey
Kansas	Kansas Geological Survey
Kentucky	Kentucky Geological Survey
Louisiana:	
North	Marathon Oil Company
South	Atlantic Richfield Company
Offshore	Atlantic Richfield Company
Maryland	Maryland Department of Natural Resources
Michigan	Michigan Geological Survey
Minnesota	Minnesota Geological Survey
Mississippi	Shell Oil Company
Missouri	Missouri Geological Survey
Montana	Mobil Oil Corporation
Nebraska	Nebraska Oil & Gas Conservation Commission
Nevada	Conoco Inc.
New Jersey	New Jersey Department of Conservation & Economic Development
New Mexico	Exxon Company, U.S.A.
New York	New York State Geological Survey
North Carolina	Shell Oil Company
North Dakota	Mobil Oil Corporation
Ohio	Ohio Department of Natural Resources Division of Oil & Gas
Oklahoma	Phillips Petroleum Company
Oregon	Standard Oil Company of California
Pennsylvania	Pennsylvania Geological Survey
South Carolina	Shell Oil Company
South Dakota	Mobil Oil Corporation
Tennessee	Tennessee Department of Conservation

STATE AND AREA	RESPONDENT
Texas	
RRC District 1	Cities Service Oil Company
RRC District 2	Placid Oil Company
RRC District 3	Texaco, Inc.
RRC District 4	Exxon Company, U.S.A.
RRC District 5	Amoco Production Company
RRC District 6	Amoco Production Company
RRC District 7B	Texas Eastern Transmission Corporation
RRC District 7C	Gulf Oil Company - U.S.
RRC District 8	Gulf Oil Company - U.S.
RRC District 8A	Exxon Company, U.S.A.
RRC District 9	Exxon Company, U.S.A.
RRC District 10	Diamond Shamrock Oil & Gas Company
Offshore	Texaco, Inc.
Utah	Conoco Inc.
Virgina	Virginia Department of Labor and Industry
Washington	Chevron Company, U.S.A.
West Virginia	West Virginia Geological & Economic Survey
Wisconsin	Wisconsin Geological Survey
Wyoming	Mobil Oil Corporation
Gulf of Mexico—Northern	Atlantic Richfield Company

APPENDIX B

AAPG-CSD DISTRICT CHAIRMEN

APPENDIX B

AAPG-CSD DISTRICT CHAIRMEN

AAPG-CSD CHAIRMAN	R. R. Johnston Chevron U.S.A. Inc. P.O. Box 3862 San Francisco, California 94119 Telephone: (415) 894-3710
District No. and Name	**Chairman Name and Address**
1. Arkansas	Dick Berryhill Petroleum Geologist 1710 Beck Building Shreveport, Louisiana 71101 Telephone: (318) 227-9725
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3. Central East Coast (Delaware, Maryland, New Jersey, Pennsylvania, Virginia)	John Harper Pennsylvania Geological Survey Oil & Gas Geology Division 1201 Kossman Building 100 Forbes Avenue Pittsburgh, Pennsylvania 15222 Telephone: (412) 565-5030 Derek B. Tatlock Templeton Energy Inc. Robinson Plaza 2, Suite 200 Pittsburgh, Pennsylvania 15205 Telephone: (412) 787-2780

4. Gulf States, Southern (Alabama, Mississippi)	John R. Branch Shell Oil Company P.O. Box 60775 New Orleans, Louisiana 70160 Telephone: (504) 588-7230
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6. Indiana	Gerald L. Carpenter Indiana Geological Survey 611 N. Walnut Grove Avenue Bloomington, Indiana 47405 Telephone: (812) 337-5412
7. Northeast (Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, Vermont)	Arthur M. Van Tyne P.O. Box 326 Wellsville, New York 14895 Telephone: (716) 593-4352 (h) (716) 593-6650 (w)
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Louisiana, Offshore	Harry Luke Atlantic Richfield Co. 1844 Fig Street Metairie, Louisiana 70001 Telephone: (504) 835-4421

11. Michigan	D. Michael Bricker Michigan Department of Natural Resources Geological Survey Division P.O. Box 30028 Lansing, Michigan 48909 Telephone: (517) 373-1256
12. Mid-Continent, Northern (Iowa, Kansas, Minnesota, Missouri)	Shirley Paul Kansas Geological Survey The University of Kansas 1930 Avenue A, Campus West Lawrence, Kansas 66044 Telephone: (913) 864-4991
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13. New Mexico, East	
14. Ohio	T. A. DeBrosse Ohio Department of Natural Resources Division of Oil & Gas, Building "B" Fountain Square Columbus, Ohio 43224 Telephone: (614) 466-3990
15. Oklahoma	Leonard M. LaDuke Phillips Petroleum Company Exploration & Production Division Frank Phillips Bldg., Room 232 Bartlesville, Oklahoma 74004 Telephone: (918) 661-5352
16. Rocky Mountains, Central (Colorado, Nevada, Utah)	Walter L. Smith Petroleum Information, Inc. P.O. Box 2612 Denver, Colorado 80201 Telephone: (303) 825-2181
17. Rocky Mountains, Northern (Idaho, Montana, North and South Dakota, Wyoming)	Billy B. Lane Helton Engineering & Geological Service, Inc. 2929 Third Avenue North, Suite 329 Billings, Montana 59101 Telephone: (406) 248-3101

18. Rocky Mountains, Southern (Arizona, New Mexico-West)	John E. Bircher WEXPRO Company P.O. Box 2329 Farmington, NM 87401 Telephone: (505) 327-3344
19. Tennessee	Marvin Berwind Tennessee Department of Geology G-5 State Office Building Nashville, Tennessee 37219 Telephone: (615) 741-2726
20. Texas District 1	William W. Woolfolk Marathon Oil Company P.O. Box 3128 Houston, Texas 77001 Telephone: (713) 629-6600
21. Texas District 2	William F. Wilson Placid Oil Company 1635 N. E. Loop Suite 803 San Antonio, TX 78209 Telephone: (214) 741-3081
22. Texas District 3 and Texas Offshore	R. E. Byrd Texaco, Inc. P.O. Box 430 Bellaire, Texas 77401 Telephone: (713) 666-8000 (ext. 2769)
23. Texas District 4	Jay Reed Exxon Company, U.S.A. Exploration Dept. Wilson Tower Corpus Christi, Texas 78476 (512) 887-2360
24. Texas District 5 and 6	John Vineyard Geological Consulting Services P.O. Box 37188 Houston, Texas 77036 Telephone: (713) 785-7900
25. Texas District 7B	B. R. Nicholson Texas Pacific Oil Co. P.O. Box 5255 Abilene, Texas 79605 Telephone: (915) 695-5500
26. Texas Districts 7C, 8 and 8A	

27. Texas District 9	Thomas W. Beeson 527 Hamilton Building Wichita Falls, Texas 76301 Telephone: (817) 322-9631
28. Texas District 10	Jo Israel Panhandle Log Library Box 14001 Amarillo, Texas 79101 Telephone: (806) 373-7141
29. West Coast	R. R. Johnston Chevron U.S.A. Inc. P.O. Box 3862 San Francisco, California 94119 Telephone: (415) 894-3710
30. West Virginia	Dudley H. Cardwell Alt: K. Lee Avary West Virginia Geological and Economic Survey P.O. Box 879 Morgantown, West Virginia 26505 Telephone: (304) 292-6331
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